

**SHARP****SERVICE MANUAL**Issued: 20<sup>th</sup> April 2012**LED LCD COLOUR TELEVISION**

Wi-Fi &amp; 3D Ready / DVB-T/ C/ S/ S2 PAL B/G/ SECAM B/G, D/K, L/L' SYSTEM COLOUR TELEVISION



# MODELS:

## LC-40LE732E

## LC-46LE732E

In the interests of user safety (required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

**CONTENTS**

|                                            |    |
|--------------------------------------------|----|
| ELECTRICAL SPECIFICATIONS .....            | 2  |
| IMPORTANT SERVICE SAFETY PRECAUTIONS ..... | 3  |
| OPERATION MANUAL .....                     | 6  |
| DIMENSIONS .....                           | 16 |
| REMOVING OF MAJOR PARTS .....              | 17 |
| SERVICE ADJUSTMENTS .....                  | 27 |
| PUBLIC MODE .....                          | 33 |
| SOFTWARE UPGRADING .....                   | 35 |
| MAJOR ICs INFORMATION .....                | 36 |
| OVERALL WIRING DIAGRAMS .....              | 45 |
| BLOCK DIAGRAMS .....                       | 47 |
| SCHEMATIC DIAGRAMS .....                   | 49 |
| PRINTED WIRING BOARDS .....                | 70 |
| REPLACEMENT PARTS LIST .....               | 77 |
| CABINET AND MECHANICAL PARTS .....         | 90 |
| PACKING OF THE SET .....                   | 94 |

**SHARP CORPORATION**

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The contents are subject to change without notice.

## ELECTRICAL SPECIFICATIONS

### Specifications

| Item                                |                                                                |                              | 40" LCD COLOUR TV, Models:<br>LC-40LE730E, LC-40LE732E                                                                                                                                                                                                      | 46" LCD COLOUR TV, Models:<br>LC-46LE730E, LC-46LE732E |
|-------------------------------------|----------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| LCD Panel                           |                                                                |                              | 40" BLACK TFT LCD LED TV                                                                                                                                                                                                                                    | 46" BLACK TFT LCD LED TV                               |
| Resolution                          |                                                                |                              | 6.220.800 dots (1.920 x 1.080 pixels)                                                                                                                                                                                                                       |                                                        |
| Video Colour System                 |                                                                |                              | PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60                                                                                                                                                                                                                        |                                                        |
| TV Functions                        | TV Standard                                                    | Analogue                     | CCIR (B/G, I , D/K, L/L')                                                                                                                                                                                                                                   |                                                        |
|                                     |                                                                | Digital                      | DVB-T (2K/8K OFDM)(H.264), DVB-C, DVB-S/S2 (LE732 only)                                                                                                                                                                                                     |                                                        |
|                                     | Receiving Channel                                              | VHF/UHF                      | E2–E69 ch, F2–F10 ch, I21–I69 ch, IR A–IR J ch (Digital: IR A ch–E69 ch)                                                                                                                                                                                    |                                                        |
|                                     |                                                                | CATV                         | Hyper-band, S1–S41 ch                                                                                                                                                                                                                                       |                                                        |
|                                     | TV-Tuning System                                               |                              | Auto Preset 999 ch: non-Nordic / 9999 ch: Nordic (ATV: 99 ch), Auto Label, Auto Sort                                                                                                                                                                        |                                                        |
|                                     | STEREO / BILINGUAL                                             |                              | NICAM/A2                                                                                                                                                                                                                                                    |                                                        |
| Viewing angles                      |                                                                |                              | H: 176°, V: 176°                                                                                                                                                                                                                                            |                                                        |
| Audio Amplifier                     |                                                                |                              | 10 W + 5 W + 5 W                                                                                                                                                                                                                                            |                                                        |
| Speaker                             |                                                                |                              | Woofer Ø 70 mm, tweeter (Ø 11 mm) x 2                                                                                                                                                                                                                       |                                                        |
| Terminals                           | TV Antenna                                                     |                              | UHF/VHF 75 Ω Din type (Analogue & Digital)                                                                                                                                                                                                                  |                                                        |
|                                     | SERVICE                                                        |                              | Ø 3.5 mm jack                                                                                                                                                                                                                                               |                                                        |
|                                     | SCART                                                          |                              | SCART (AV input, RGB input, TV output, Y/C input)                                                                                                                                                                                                           |                                                        |
|                                     | PC INPUT                                                       |                              | VGA (D-Sub 15pin), Ø 3.5 mm jack (shared with HDMI)                                                                                                                                                                                                         |                                                        |
|                                     | COMPONENTS                                                     |                              | COMPONENT IN: Y/PB(CB)/PR(CR), RCA (AUDIO R/L)                                                                                                                                                                                                              |                                                        |
|                                     | HDMI1                                                          |                              | HDMI, Ø 3.5 mm jack (shared with PC INPUT), ARC, 3D.                                                                                                                                                                                                        |                                                        |
|                                     | HDMI2                                                          |                              | HDMI, Ø 3.5 mm jack (shared with PC INPUT), 3D.                                                                                                                                                                                                             |                                                        |
|                                     | HDMI3                                                          |                              | HDMI, Ø 3.5 mm jack (shared with PC INPUT), 3D.                                                                                                                                                                                                             |                                                        |
|                                     | HDMI4 (Rear)                                                   |                              | HDMI, Ø 3.5 mm jack (shared with PC INPUT), 3D.                                                                                                                                                                                                             |                                                        |
|                                     | USB 1 (USB REC / Media Player / HDD Ready / 3D Glasses charge) |                              | USB 2.0 HOST (A Type)                                                                                                                                                                                                                                       |                                                        |
|                                     | USB 2 (Media Player / HDD Ready 3D Glasses charge)             |                              | USB 2.0 HOST (A type)                                                                                                                                                                                                                                       |                                                        |
|                                     | USB 3 (WIFI)                                                   |                              | USB 2.0 HOST (A type) (Wi-Fi use only)                                                                                                                                                                                                                      |                                                        |
|                                     | ETHERNET (10/100)                                              |                              | Network connector                                                                                                                                                                                                                                           |                                                        |
|                                     | AV                                                             |                              | RCA connector (AV input)                                                                                                                                                                                                                                    |                                                        |
|                                     | SPDIF OUT                                                      |                              | Optical S/PDIF digital audio output.                                                                                                                                                                                                                        |                                                        |
|                                     | C. I. (Common Interface)                                       |                              | EN50221, R206001, CI+ specification                                                                                                                                                                                                                         |                                                        |
| Headphones                          |                                                                | Ø 3.5 mm jack (Audio output) |                                                                                                                                                                                                                                                             |                                                        |
| OSD language                        |                                                                |                              | Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hungarian, Italian, Latvian, Lithuanian, Norwegian, Polish, Portuguese, Russian, Slovak, Slovene, Spanish, Swedish, Turkish, Ukrainian, Byelorussian, Romanian, Croatian, Serbian. |                                                        |
| Power Requirement                   |                                                                |                              | AC 220–240 V, 50 Hz                                                                                                                                                                                                                                         |                                                        |
| Power Consumption (IEC62087 Method) |                                                                |                              | 102W (0.21 W Standby)                                                                                                                                                                                                                                       | 124W (0.21 W Standby)                                  |
| Weight                              |                                                                |                              | 12.2 Kg (Without stand), 14.4 Kg (With stand)                                                                                                                                                                                                               | 16.7Kg (Without stand), 19.7 Kg (With stand)           |
| Operating Temperature               |                                                                |                              | 0 °C to +40 °C                                                                                                                                                                                                                                              |                                                        |

### Environmental Specifications

|                                                     |     | 40"    | 46"    |
|-----------------------------------------------------|-----|--------|--------|
| *1 On-Mode (W) (HOME MODE)                          |     | 48 W   | 60 W   |
| *2 Energy-Save-Mode (W)                             | ECO | 39 W   | 55 W   |
| *3 Standby-Mode (W)                                 |     | 0.21 W | 0.21 W |
| *4 Off Mode (W)                                     |     | 0.16 W | 0.16 W |
| *5 Annual Energy Consumption (kWh)                  |     | 70 kWh | 88 kWh |
| *6 Annual Energy Consumption Energy-Save-Mode (kWh) | ECO | 57 kWh | 80 kWh |

\*1 Measured according to IEC 62087 Ed. 2.

\*2 For further information about the Energy Save function, please see related pages in this operation manual.

\*3 Measured according to IEC 62301 Ed. 1.

\*4 Measured according to IEC 62301 Ed. 1.

\*5 Annual energy consumption is calculated on the basis of the On-Mode (HOME MODE) power consumption, watching TV 4 hours a day, 365 days a year.

\*6 Annual energy consumption is calculated on the basis of the Energy-Save-Mode power consumption, watching TV 4 hours a day, 365 days a year.

#### NOTE

- The power consumption of On-Mode varies depending on the images the TV displays.

## IMPORTANT SERVICE SAFETY PRECAUTION

Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:

### WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

**CAUTION:** FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE REPLACE ONLY WITH SAME TYPE F101 (T4 AH / 250V)

## BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

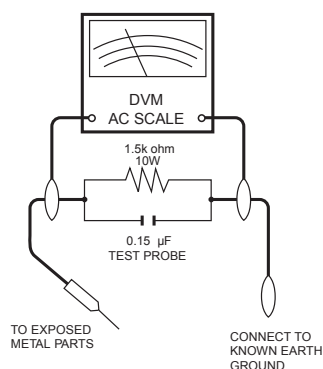
**Before returning the receiver to the user, perform the following safety checks:**

1. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

- Plug the AC cord directly into a 220~240 volt AC outlet. (Do not use an isolation transformer for this test).
- Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 $\mu$ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.
  - A true RMS reading multimeter should be used for this test, especially where the equipment uses a switch mode power supply which may result in very non-sinusoidal leakage current.
  - Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)

Any reading of 1.05V peak (this corresponds to 0.7 mA. peak AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



## SAFETY NOTICE

Many electrical and mechanical parts in LCD television have special safety-related characteristics. These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by "⚠".

For continued protection, replacement parts must be identical to those used in the original circuit. The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

## PRECAUTIONS FOR USING LEAD-FREE SOLDER

### 1 Employing lead-free solder

"ALL PWB" of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

**LF**a

Sn-Ag-Cu

Indicates lead-free solder of tin, silver and copper.

**LF**n

Sn-Ag-Ni

Indicates lead-free solder of tin, silver and nickel.

### 2 Using lead-free wire solder

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40°C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

### 3 Soldering

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220°C which is higher than the conventional lead solder by 40°C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing.

| Part No.      | ★ | Description        | Code |
|---------------|---|--------------------|------|
| ZHNDai123250E | J | φ0.3mm 250g(1roll) | BL   |
| ZHNDai126500E | J | φ0.6mm 500g(1roll) | BK   |
| ZHNDai12801KE | J | φ1.0mm 1kg(1roll)  | BM   |



## END OF LIFE DISPOSAL



Attention: Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

### A. Information on Disposal for Users (private households)

#### 1. In the European Union

Attention: If you want to dispose of this equipment, please do not use the ordinary dust bin!

Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.

Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge\*. In some countries\* your local retailer may also take back your old product free of charge if you purchase a similar new one.

\*) Please contact your local authority for further details.

If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.

By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

#### 2. In other Countries outside the EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

For Switzerland: Used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of [www.swico.ch](http://www.swico.ch) or [www.sens.ch](http://www.sens.ch).

### B. Information on Disposal for Business Users

#### 1. In the European Union

If the product is used for business purposes and you want to discard it:

Please contact your SHARP dealer who will inform you about the take-back of the product. You might be charged for the costs arising from take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities.

For Spain: Please contact the established collection system or your local authority for take-back of your used products.

#### 2. In other Countries outside the EU

If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.



The battery supplied with this product contains traces of Lead.

For EU: The crossed-out wheeled bin implies that used batteries should not be put to the general household waste! There is a separate collection system for used batteries, to allow proper treatment and recycling in accordance with legislation. Please contact your local authority for details on the collection and recycling schemes.

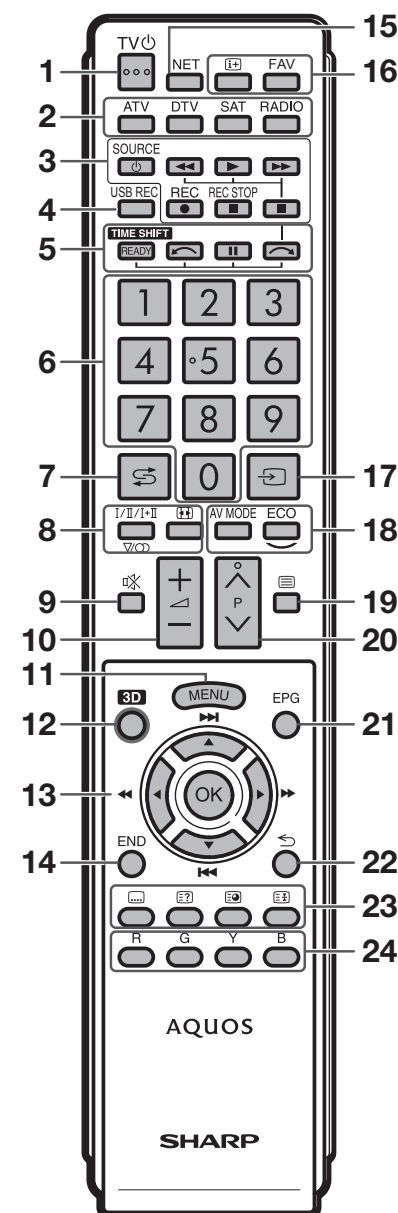
For Switzerland: The used battery is to be returned to the selling point.

For other non-EU countries: Please contact your local authority for correct method of disposal of the used battery.

## OPERATION MANUAL

### Remote control unit

- 1 **TV** (Standby/On) (Page 10)
- 2 **ATV**  
Access conventional analogue TV mode.  
**DTV**  
Access digital TV mode.  
**SAT**  
Access satellite mode.  
**RADIO**  
DTV/SAT: Switch between radio and data mode.
  - When only data broadcasting (no radio broadcasting) is transmitted by DVB, the radio broadcasting will be skipped.
- 3 **HDMI CEC buttons** (Pages 29 and 30)
- 4 **USB REC** (Pages 11, 20, 34 and 35)  
Record a programme you are watching.
- 5 **TIME SHIFT**  
Not used.
- 6 **Numeric buttons 0–9**  
Set the channel. Enter desired numbers. Set the page in teletext mode.
  - When the five Nordic countries (Sweden, Norway, Finland, Denmark or Iceland) are selected in the country setting from initial auto installation (Page 9), DTV services are four digits. When another country is selected, DTV services are three digits.
- 7 **↶ (Flashback)**  
Return to the previously selected channel or external input.
- 8 **I/II/I+II** (Sound mode) (Page 20)  
Select a sound multiplex mode.  
**Picture format** (Page 26)  
Change between different picture formats.
- 9 **Mute**  
TV sound on/off.
- 10 **+/- (Volume)**  
Increase/decrease TV volume.
- 11 **MENU**  
“Menu” screen on/off.
- 12 **3D** (Page 36)  
Select between 3D and 2D image viewing.
- 13 **▲/▼/◀/▶ (Cursor)**  
Select a desired item.  
**USB REC/Media Player/Home Media:**  
◀/▶  
Rewind and fast forward.  
◀◀/▶▶  
Rewind and forward in units of 5 minutes.  
**OK**  
Execute a command.

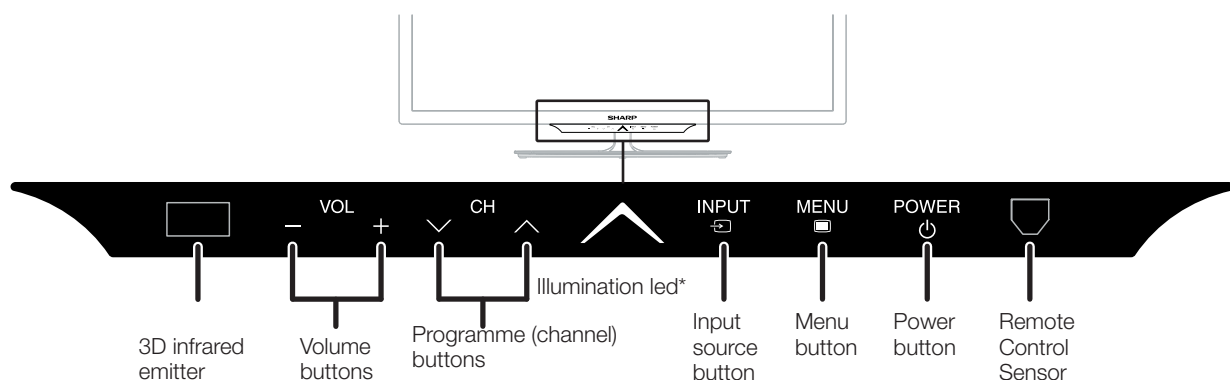


- 15 **NET**  
Access “Connected TV” mode. (Page 31)
- 16 **Channel information** (Page 25)  
Display the station information (channel number, signal, etc.) on the screen.  
**FAV**  
Shows the favourite channels list.
- 17 **Source List** (Page 10)  
Select an input source.
- 18 **AV MODE** (Page 19)  
Select audio/video settings.  
**ECO**  
**On/Off** (Page 28)  
Select “Power save” setting.
- 19 **Teletext** (Page 12)  
ATV: Display analogue teletext.  
DTV/SAT: Select MHEG-5 or teletext for DTV/SAT.
- 20 **P/V**  
ATV/DTV/SAT: Select the TV channel.  
NET: Scrolls pages up/down.
- 21 **EPG** (Page 11)  
DTV/SAT: Display the EPG screen.
- 22 **Return**  
ATV/DTV/SAT: Return to the previous “Menu” screen.  
NET: Return to the previous page (This may not function for some services).
- 23 **Buttons for useful operations**
  - Subtitle** (Pages 10, 12 and 24)  
Switch subtitle languages on/off.
  - Reveal hidden teletext** (Page 12)
  - Subpage** (Page 12)
  - Freeze/Hold** (Page 12)  
Teletext: Stop updating teletext pages automatically or release the hold mode.
- 24 **R/G/Y/B Colour buttons**  
The coloured buttons are correspondingly used to select the coloured items on the screen (e.g., EPG, MHEG-5, teletext).

**Important information:**  
Satellite services are only available for the LE732 model series.

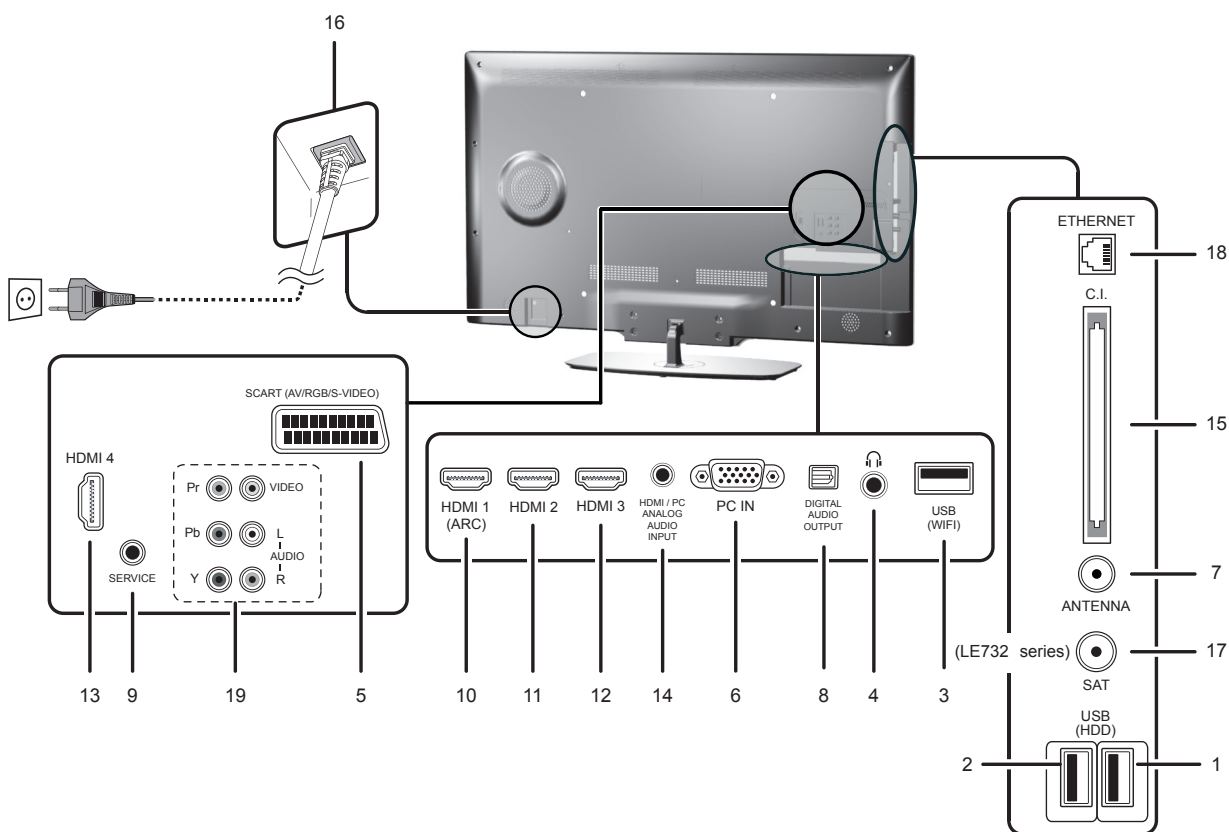
## Operation Manual (Continued)

### TV (Front view)



\*TV indicator status (Page 10)

### TV (Side and rear view)



- |                                                                                     |                                                 |                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------|
| 1 USB terminal (USB REC / MEDIA PLAYER / SOFTWARE / HDD READY / 3D GLASSES BATTERY) | 6 PC Input                                      | 14 AUDIO input for DVI and PC (Jack 3.5mm connector) |
| 2 USB terminal (MEDIA PLAYER / SOFTWARE / HDD READY / 3D GLASSES BATTERY)           | 7 Antenna input terminal                        | 15 COMMON INTERFACE slot                             |
| 3 USB terminal (Wi-Fi use only)                                                     | 8 OPTICAL DIGITAL AUDIO OUTPUT terminal (SPDIF) | 16 AC INPUT terminal                                 |
| 4 HEADPHONES jack                                                                   | 9 SERVICE connector (jack 3.5 mm)               | 17 SAT (Satellite antenna input) (Only LE732 series) |
| 5 SCART (AV/RGB, Y/C Input) terminal                                                | 10 HDMI 1 (HDMI/DVI/ARC)                        | 18 ETHERNET (10/100) terminal                        |
|                                                                                     | 11 HDMI 2 (HDMI/DVI)                            | 19 COMPONENTS / AV terminals                         |
|                                                                                     | 12 HDMI 3 (HDMI/DVI)                            |                                                      |
|                                                                                     | 13 HDMI 4 (HDMI/DVI)                            |                                                      |

### WARNING

- Excessive sound pressure from earphones and headphones can cause hearing loss.
- Do not set the volume at a high level. Hearing experts advise against extended listening at high volume levels.

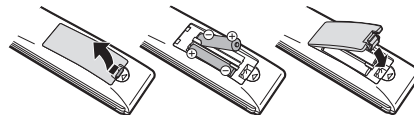
## Operation Manual (Continued)

### Preparation

#### Inserting the batteries

Before using the TV for the first time, insert the two supplied "AAA" size batteries. When the batteries become depleted and the remote control unit fails to operate, replace the batteries with new "AAA" size batteries.

- 1 Open battery cover.
- 2 Insert two supplied "AAA" size batteries.
  - Place batteries with their terminals corresponding to the (+) and (-) indications in the battery compartment.
- 3 Close the battery cover.



#### CAUTION

Improper use of batteries can result in chemical leakage or explosion. Be sure to follow the instructions below.

- Do not mix batteries of different types. Different types of batteries have different characteristics.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries or cause chemical leakage in old batteries.
- Remove batteries as soon as they have worn out. Chemicals that leak from batteries can cause a rash. If you find any chemical leakage, wipe thoroughly with a cloth.
- The batteries supplied with this product may have a shorter life expectancy due to storage conditions.
- If you will not be using the remote control unit for an extended period of time, remove the batteries from it.
- When replacing the batteries, use zinc-carbon batteries instead of alkaline ones.

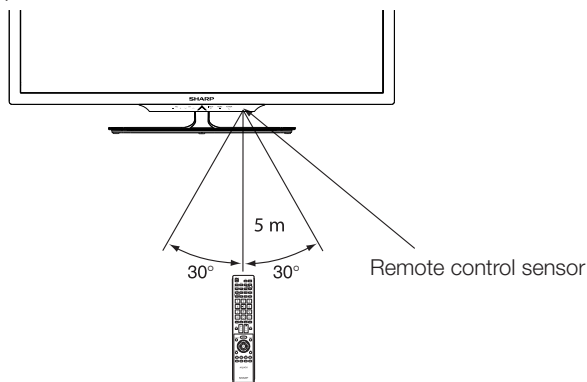
#### Note on disposing batteries:

The batteries provided contain no harmful materials such as cadmium, lead or mercury.

Regulations concerning used batteries stipulate that batteries may no longer be thrown out with the household rubbish. Deposit any used batteries free of charge into the designated collection containers set up at commercial businesses.

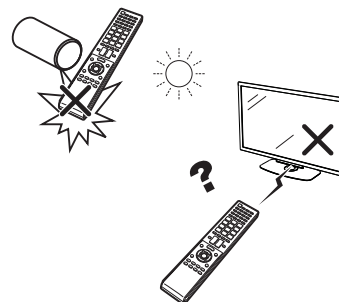
#### Using the remote control unit

Use the remote control unit by pointing it towards the remote control sensor. Objects between the remote control unit and sensor may prevent proper operation.



#### Cautions regarding the remote control unit

- Do not expose the remote control unit to shock. In addition, do not expose the remote control unit to liquids, and do not place in an area with high humidity.
- Do not install or place the remote control unit under direct sunlight. The heat may cause deformation of the unit.
- The remote control unit may not work properly if the remote control sensor of the TV is under direct sunlight or strong lighting. In such cases, change the angle of the lighting or the TV, or operate the remote control unit closer to the remote control sensor.



## Operation Manual (Continued)

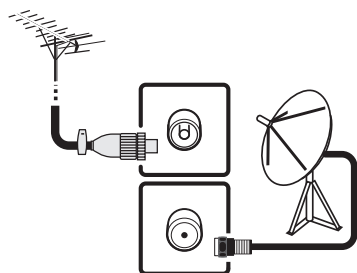
# Quick guide

### Initial installation overview

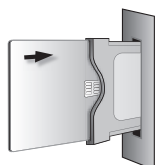
Follow the steps below one by one when using the TV for the first time. Some steps may not be necessary depending on your TV installation and connection.



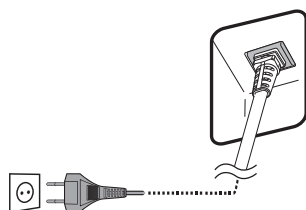
- 1 Connect an antenna cable to the antenna terminal (Page 8).



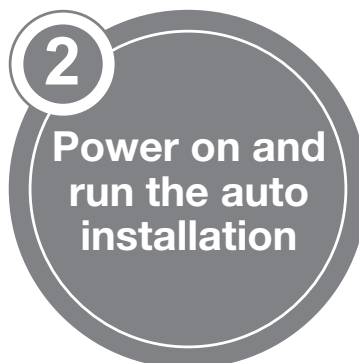
- 2 If necessary, insert a CA card into the CI slot to watch scrambled broadcasts (Page 8.)



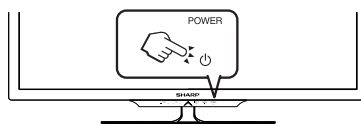
- 3 Plug in the AC cord (Page 8).



Product shape varies in some countries.

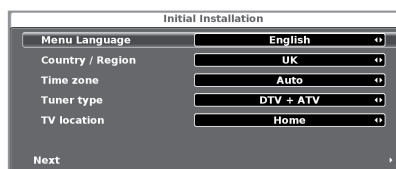


- 1 Turn on the power using  on the TV (Page 10).



- 2 Run the initial auto installation (Page 9).

✓ Language, country, tuner type settings and TV Location setting.



✓ Go to **Next**.



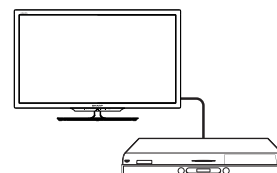
**Start searching channels**



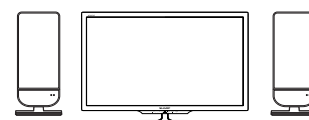
- 1 **Congratulations!**  
**Now you can watch TV.**
- 2 If necessary, adjust the antenna to attain maximum signal reception (Page 9).

### Connect external devices

- 1 Connect external devices such as a DVD player/recorder as instructed (Pages 13, 14 and 15).



- 2 Connect external audio devices such as speakers/amplifier as instructed (Pages 13, 14 and 15).



## Operation Manual (Continued)

# Connecting external devices

### ● Before connecting ...

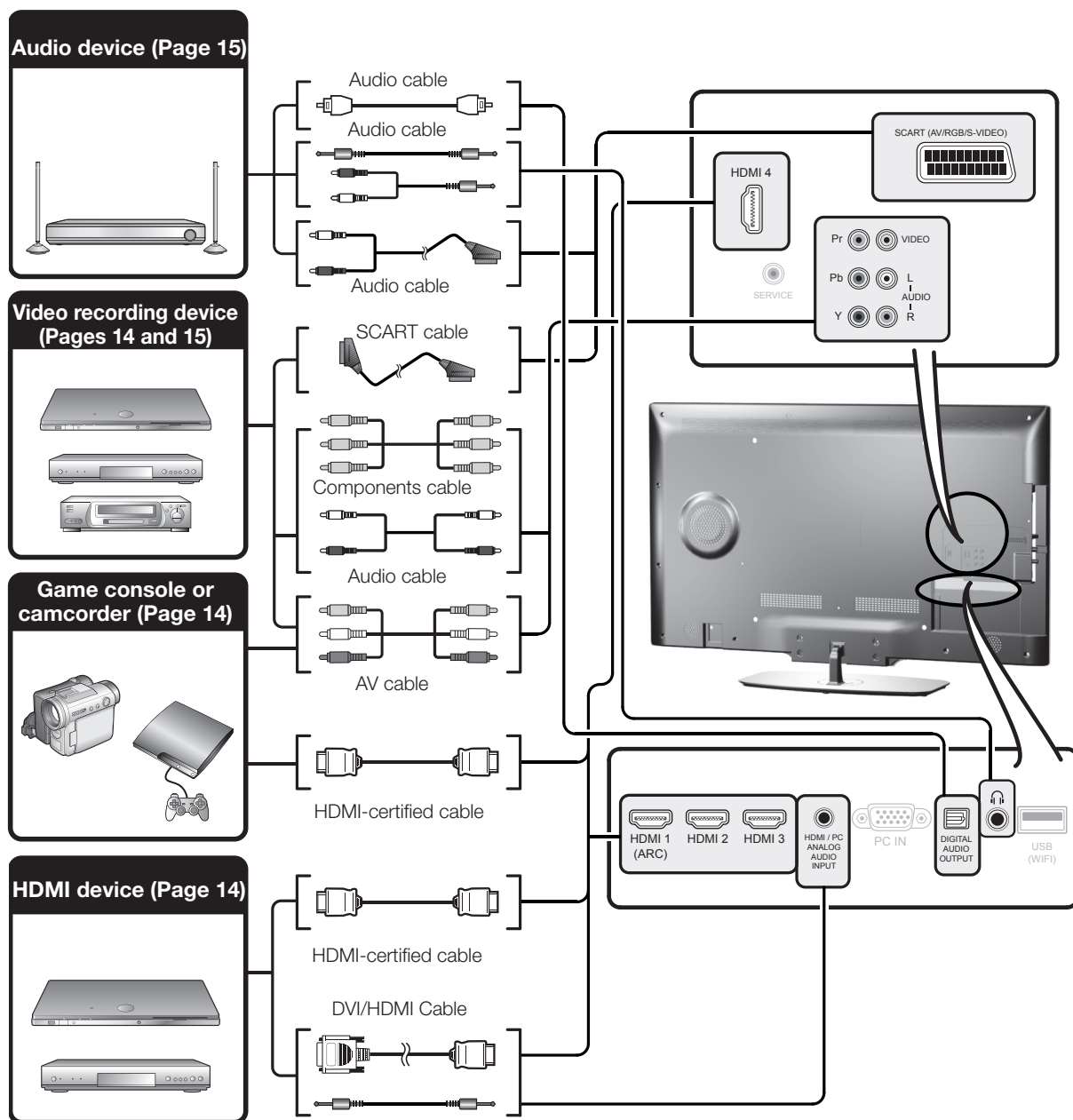
- Be sure to turn off the TV and any devices before making any connections.
- Firmly connect a cable to a terminal or terminals.
- Carefully read the operation manual of each external device for possible connection types. This also helps you get the best possible audiovisual quality to maximise the potential of the TV and the connected device.

## Introduction to connections

The TV is equipped with the terminals as shown below. Find the cable corresponding the TV's terminal and connect the device.

### NOTE

- The cables illustrated in pages 13, 14 and 15 are commercially available items.



ø 3.5 mm stereo mini jack cable

## Operation Manual (Continued)

## Appendix

## Troubleshooting

| Problem                                                                                                                 | Possible Solution                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>No power.</li> </ul>                                                             | <ul style="list-style-type: none"> <li>Check if you pressed <b>TV</b> on the remote control unit.<br/>If the indicator on the TV lights up red, press <b>TV</b>.</li> <li>Is the AC cord disconnected?</li> <li>Check if you pressed <b>⏻</b> on the TV.</li> </ul>                                                                                                          |
| <ul style="list-style-type: none"> <li>The TV cannot be operated.</li> </ul>                                            | <ul style="list-style-type: none"> <li>External influences such as lightning, static electricity, etc., may cause improper operation. In this case, operate the TV after first turning off the power, or unplugging the AC cord and re-plugging it in after one or two minutes.</li> </ul>                                                                                   |
| <ul style="list-style-type: none"> <li>Remote control unit does not operate.</li> </ul>                                 | <ul style="list-style-type: none"> <li>Are batteries inserted with polarity (+, -) aligned?</li> <li>Are batteries worn out? (Replace with new batteries.)</li> <li>Are you using it under strong or fluorescent lighting?</li> <li>Is a fluorescent light illuminating to the remote control sensor?</li> </ul>                                                             |
| <ul style="list-style-type: none"> <li>Picture is cut off.</li> </ul>                                                   | <ul style="list-style-type: none"> <li>Is the image position correct?</li> <li>Are screen mode adjustments (Picture format) such as picture size made correctly? (Page 26.)</li> </ul>                                                                                                                                                                                       |
| <ul style="list-style-type: none"> <li>Strange colour, light colour, or dark colour, or colour misalignment.</li> </ul> | <ul style="list-style-type: none"> <li>Adjust the picture tone.</li> <li>Is the room too bright? The picture may look dark in a room that is too bright.</li> <li>Check the "Picture" setting (Page 19).</li> </ul>                                                                                                                                                          |
| <ul style="list-style-type: none"> <li>Power is suddenly turned off.</li> </ul>                                         | <ul style="list-style-type: none"> <li>The TV's internal temperature has increased.<br/>Remove any objects blocking the vent or clean.</li> <li>Is the "Sleep Timer" set? Select "Off" from the "Time" menu (Page 21).</li> <li>Is "No Signal Off" or "No operation Off" activated?</li> </ul>                                                                               |
| <ul style="list-style-type: none"> <li>No picture.</li> </ul>                                                           | <ul style="list-style-type: none"> <li>Are connections to external equipment correct? (Pages 13, 14 and 15)</li> <li>Is the input signal type selected correctly after connection? (Page 10)</li> <li>Is the correct input source selected? (Page 10)</li> <li>Is the picture adjustment correct? (Pages 19)</li> <li>Is the antenna connected properly? (Page 8)</li> </ul> |
| <ul style="list-style-type: none"> <li>No sound.</li> </ul>                                                             | <ul style="list-style-type: none"> <li>Is the volume too low?</li> <li>Make sure that headphones are not connected.</li> <li>Check if you pressed <b>⏻</b> on the remote control unit.</li> </ul>                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>The TV sometimes makes a cracking sound.</li> </ul>                              | <ul style="list-style-type: none"> <li>This is not a malfunction. This happens when the cabinet slightly expands and contracts according to changes in temperature. This does not affect the TV's performance.</li> </ul>                                                                                                                                                    |

## Troubleshooting - 3D Images

| Problem                                                                                                                              | Possible solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>3D images are not displayed.</li> </ul>                                                       | <ul style="list-style-type: none"> <li>Is "3D auto change" set to "No"? Press <b>3D</b> to switch to 3D mode.</li> <li>If "3D auto change" is set to "Yes" but no 3D images are displayed, check the display format of the content being viewed. Some 3D image signals may not be recognized as 3D images automatically. Press <b>3D</b> to select the appropriate display format for the 3D image.</li> <li>Are the 3D glasses set to 3D mode?</li> <li>Is there an obstacle between the 3D glasses and the TV, or is something covering the infrared receiver on the 3D glasses? The 3D glasses operate by receiving a signal from the TV. Do not place anything between the 3D infrared emitter on the TV and the infrared receiver on the 3D glasses.</li> </ul> |
| <ul style="list-style-type: none"> <li>The 3D glasses turn off automatically.</li> </ul>                                             | <ul style="list-style-type: none"> <li>Is there an obstacle between the 3D glasses and the TV, or is something covering the infrared receiver on the 3D glasses? The 3D glasses turn off automatically after three minutes if no signal is received from the TV. Do not place anything between the 3D infrared emitter on the TV and the infrared receiver on the 3D glasses.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                             |
| <ul style="list-style-type: none"> <li>Switching the 3D glasses button to 2D or 3D does not cause the LED light to green.</li> </ul> | <ul style="list-style-type: none"> <li>Is the battery in the 3D glasses exhausted? If the LED light does not light after pressing the power button for more than one second, the battery is exhausted. Recharge the battery via mini USB connector.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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## Operation Manual (Continued)

# Connected TV

## What is Connected TV?

**Connected TV** set to play easily digital media contents coming from the Network (Internet or Home).

**Connected TV** offers up to two different modes:

- Internet services support (BBC iPlayer (Only LE731 for UK), YouTube, and HbbTV).
- Media Streaming support for existing DLNA servers on your Home Network. In fact, user can play movies, listen to music or view pictures in the easiest way, even from playlist files (Media Player).

Connected TV provides a variety of services for each country.

### NOTE

- Because Connected TV is an online system, it can be modified over time to better serve its purpose.
- Some Connected TV services may be added, changed or discontinued after some time.
- You cannot download and save neither files nor install plugins.
- Home Media (DLNA) requires external streaming media software installed on a PC, inside the HOME Network, that is not included with Connected TV.
- Home Media (DLNA) server software as Windows Media Player 11 (Windows Vista included) or Windows Media Player 12 (Windows 7 included), TVersity ([www.tviversity.com](http://www.tviversity.com)), Nero Media Home ([www.nero.com](http://www.nero.com)), or Twonky Media Manager ([www.twonky.com](http://www.twonky.com)) are preferred but other can be used also. Visit the DLNA website ([www.dlna.org](http://www.dlna.org)) to see the certified media server list. Follow the server software's user manual for setup, share and stream media contents.
- Home Media (DLNA) (Video, Music and Photo) data is organized in folders depending on the Server hierarchy; options such as Artist, Genre, Composer, Ratings, Playlist or Watch Folders may be present for sorting content, but can be different depending of the selected Media Server.
- The "Play To" function of some PC Media Players may result in very compressed video quality. For best video quality, please use the USB Media Player function of the TV.

### DISCLAIMERS

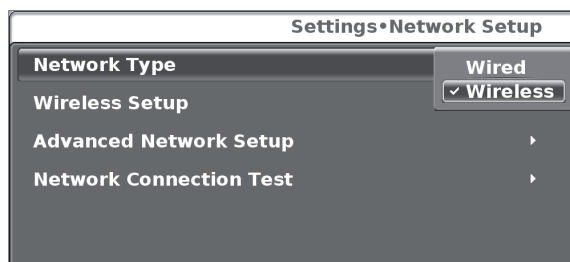
- SHARP corporation bears no responsibility regarding the content and quality of the content provided by the content service provider.

## Internet setup

### Connecting to the internet

To enjoy Connected TV, you need to connect the TV to a router with a high speed connection to the internet. The TV connection to the router can either be wired or wireless.

To access to the TV internet configuration go to **Settings→Network setup**. The next screen is shown:



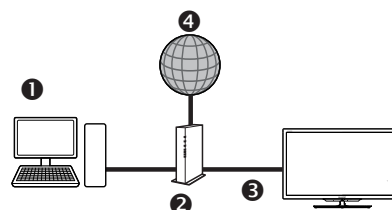
### NOTE

- If you choose a wired connection to the router, you need an ETHERNET cable (not included, commercially available).
- If you do not have a broadband internet connection, consult the store where you purchased your TV or ask your internet service provider or telephone company.
- An ETHERNET and wireless connection cannot be used at the same time. Use only one of the connection types.
- A wireless LAN connection and performance cannot be guaranteed for all residential environments. In the following cases, the wireless LAN signal may be poor or drop, or the connection speed may become slower.
  - When used in buildings made with concrete, reinforced steel, or metal.
  - When placed near objects that obstruct the signal.
  - When used with other wireless devices that emit the same frequency.
  - When used in the vicinity of microwave ovens and other devices that emit a magnetic field, electrostatic charge, or electromagnetic interference.
- A stable connection speed is required to play back streaming content. Use an ETHERNET connection if the wireless LAN speed is unstable.

## Wired installation

Use an ETHERNET cable to connect the ETHERNET terminal on the TV to your broadcast router as shown below. This is recommended when enjoying services which require stable connection speeds, such as streaming media.

### ● Wired connection overview



- ① PC (Home Media Server)
- ② Router (commercially available)
- ③ ETHERNET cable (commercially available)
- ④ Network (Internet)

### ● How to connect



- ① ETHERNET cable

1 Switch on the router (commercially available). Refer to the router's operation manual for switching on.



## Operation Manual (Continued)

### Connected TV

- 2 Connect the ETHERNET terminal on the TV to the router (commercially available) with an ETHERNET cable (commercially available).
- 3 Go to **SETTINGS** > **"Network settings"** > **"Network type"**.
- 4 Press **OK** and **▲/▼** to select **"Wired"**, and then press **OK**. The wired connection will be automatically established.

To change the settings manually go to **"Advanced Network Setup"** > **IP Address Setup** > **Off**, now you can introduce the settings manually.

### Wireless installation

Use the SHARP (AN-WUD630) USB adapter (sold separately) with the TV.

#### ● Wireless connection overview

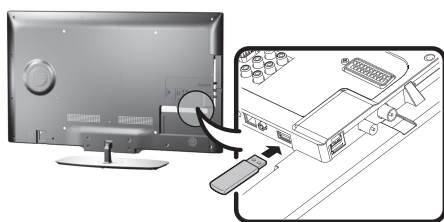


- 1 PC (Home Media Server)
- 2 Wireless LAN router/access point
- 3 Wireless AN-WUD630 LAN USB adapter (sold separately)
- 4 Network (Internet)

#### NOTE

- When using the SHARP wireless LAN adapter (sold separately), try to provide as much free space around the device for best performance.
- Make sure the firewalls in your network allows access to the TV wireless connection.
- Operations cannot be guaranteed when used with access points that do not have Wi-Fi® certification.
- A wireless LAN access point is required to connect the TV to the Internet using a wireless LAN. See the operation manual of your access point for setup.

#### ● How to connect

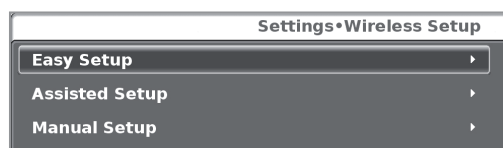


- 1 Switch on your router before starting the network installation.
- 2 Connect the AN-WUD630 USB adapter (sold separately) to the USB Wi-Fi port on the TV.
  - Do not use a wireless LAN adapter other than the AN-WUD630 Sharp wireless LAN adapter, as operations cannot be guaranteed.
  - If your wireless network is secured, have the encryption key ready to enter on screen.
- 3 Go to **"Settings"** > **"Network settings"** > **"Network type"**.
- 4 Press **OK** and **▲/▼** to select **"Wireless"**, and then press **OK**.

The **"Wireless"** connection will be automatically selected if the TV detects only the wireless USB adapter.

#### 5 Select **"Wireless setup"**.

There are three ways to connect by wireless the TV to a network:



#### ● Easy setup

- 1 Select **WPS configuration** and press **OK**. Press **▼** to select **"PBC"** and press **OK**.
- 2 Press **▼** to select **Start scan** and press **OK**.
- 3 Press the **WPS** button on the router/access point (AP). Wait until the connection is established.
  - If connection failed, please be sure WPS feature is enabled (See the operation manual of your router/access point(AP) for setup.)
  - In case of router/access point does not support WPS, write the encryption key for that network using the software keyboard. See **Assisted Setup** explanation.
  - To establish the connection manually select **"PIN"**, press **OK**, select **Start scan** and press **OK**. Follow the on-screen instructions and the operation manual of the router/access point(AP).

#### ● Assisted setup

Shows the network name list (SSID).

- 1 Select the network you want to connect.
- 2 If network is protected, introduce the encryption key using the software keyboard and press **Green** button.
- 3 Select **Done** and press **OK**.

The TV will connects to the network you have selected.

#### ● Manual setup

Allows you to establish the wireless connection introducing all data manually.

#### ● Advanced Network Setup

Allows you to introduce manually all network setup.

#### ● Network Connection Test

Check the connection status

#### NOTE

- To connect your TV to the internet, you must have a broadband internet connection.
- If you do not have a broadband internet connection, consult the store where you purchased your TV or ask your internet service provider or telephone company.
- There is no need to enter the security key for subsequent connections to the wireless network.
- If your access point is set to a stealth mode (Hidden SSID, that prevents detection by other devices), you may not be able to establish a connection. In this case, disable the stealth mode on the access point.
- To change wireless LAN connection settings, go to **"Settings"** > **"Network Settings"**.
- Any low bandwidth adapter (router, hub, wireless access point,...) will show poor network connection and then, poor streaming quality. It's recommended 56 Mbps or higher bandwidth for full feature.
- Working close to other Wireless/Bluetooth network, can appear some trouble using Wi-Fi adapter on the Connected TV. Due to wireless link cannot be guarantee, please try to change Wi-Fi channel on Access Point (AP) for avoiding interferences. Please refer to Access Point User Manual.

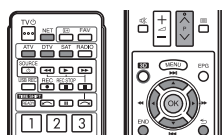
## Operation Manual (Continued)

### Connected TV

#### Operations in Connected TV

##### Basic Operation

The illustrations on this page are for explanation purposes. They are subject to change without notice.



##### ● Display the start page

Press **NET**.

##### NOTE

- When connect TV to the Internet, a message which requests a software update may display in some cases.

##### ● Select a service

Press **▲/▼/◀/▶** to select the desired service, and then press **OK**.

- Press **P/∧/∨** to scroll pages up/down (This may not work for some services).
- Press **↵** to return to the previous page (This may not work for some services).

##### ● Exit Connected TV

Press **END/ATV/DTV/SAT**.

#### HbbTV (Hybrid Broadcast Broadband TV)

Some broadcasters bring you access to new services from entertainment providers such as broadcasters, online providers, including catch-up TV, video on demand (VoD), interactive advertising, personalisation, voting, games and social networking.

This function requires internet connection through the ETHERNET or the Wi-Fi adapter AN-WUD630 (optional accessory).

##### ● HbbTV Enable

- Press **MENU** → **Settings** and select "HbbTV enable" setting.
- Select **On** to enable this function by pressing **OK**.
- When the selected program offers this service it will be seen on screen. Just press the requested key to activate.
- Then, the picture/list of available services will appear.
- Follow the broadcaster instructions.



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## Operation Manual (Continued)

### Basic adjustment

#### Searching for satellite broadcasts (Only for LE732 model series)

##### ● SADTV Auto tuning

Allows you to tune satellite services.

1 Press **MENU** on the remote control. With **◀/▶** keys select **Channel**, then select **Auto Tuning** and press **OK**.

2 With **▲/▼/◀/▶** keys select **Tuner type** → **SADTV**.

3 Go to **Start Search** and press **OK**.

The following screen will appear:



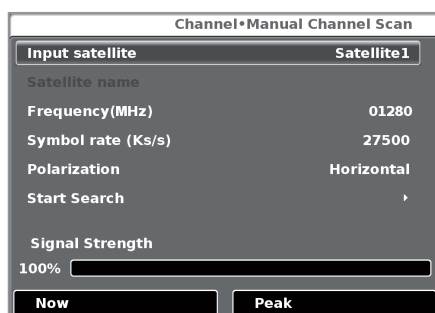
Choose the setup applicable to your satellite device and confirm your choice pressing **OK** button on the remote control.

The automatic search will start.

##### ● SADTV manual Tuning

This option allows you add satellite services manually.

Press **MENU** on the remote control. With **▼** key select **SADTV manual Tuning** and press **OK**.



##### ● Input Satellite

Choose the setting applicable to your satellite device and press **OK**.

##### ● Frequency (MHz)

Introduce the transponder frequency in MHz.

##### ● Symbol rate

Introduce the symbol rate.

##### ● Polarization

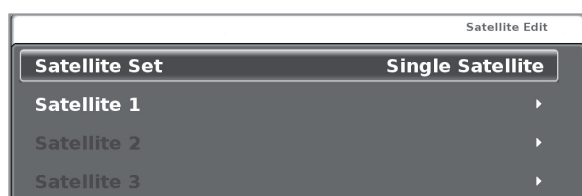
Allows to choose between horizontal or vertical polarization.

Select **Start Search** and press **OK** to start searching.

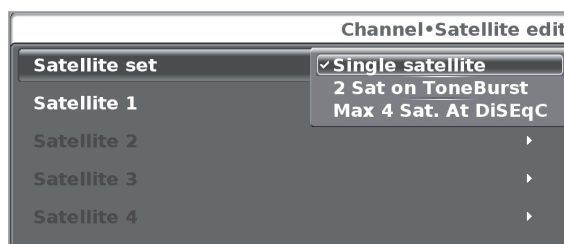
##### ● Satellite edit

This option allows you to adjust manually the satellite properties.

Press **▼** to select **"Satellite Edit"** and then press **OK**.



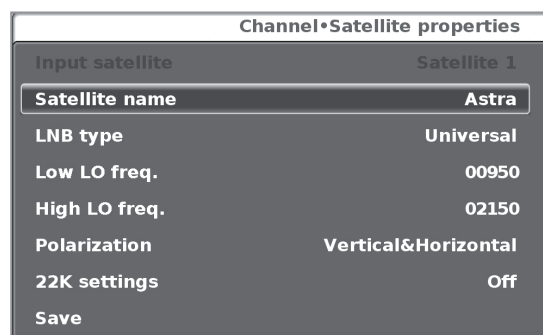
Select **Satellite Set**. You can choose between the following options:



Consult your dealers before using a method other than **Single Satellite**.

1 Select **Single Satellite** and then press **OK**.

2 Press **▼** to select **"Satellite 1"** and press **OK**.



3 Select **Satellite Name** and press **OK**. Enter the satellite name using software keyboard.

4 Select **LNB Type** and choose between **Universal** or **User**. If you choose **Universal** the other settings remains disabled (grey). If you choose **"User"** the following settings will be enabled:

##### ● Low LO freq.

Allows you to change default low frequency.

##### ● High LO freq.

Allows you to change default high frequency.

##### ● Polarization

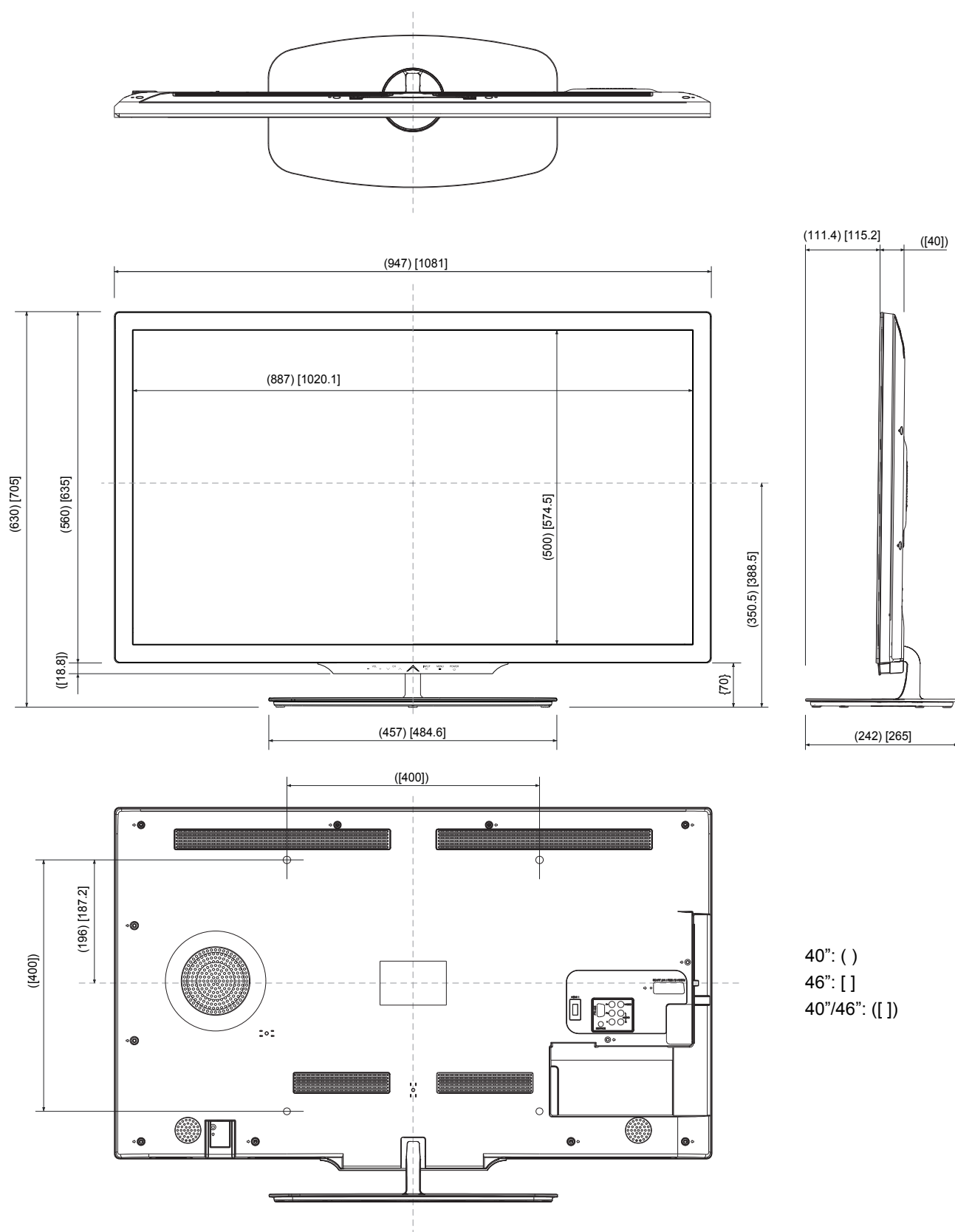
Depending on the broadcaster characteristics choose between **Vertical&Horizontal** (search for in both polarities), **Vertical** or **Horizontal** (search for in one polarity) or **LNB OFF** (LNB power off).

##### ● 22K settings

Select **ON** to add the high band to the search automatically process by applying 22KHz tone.

Press **▼** to select **Save** and then press **OK** to save the settings.

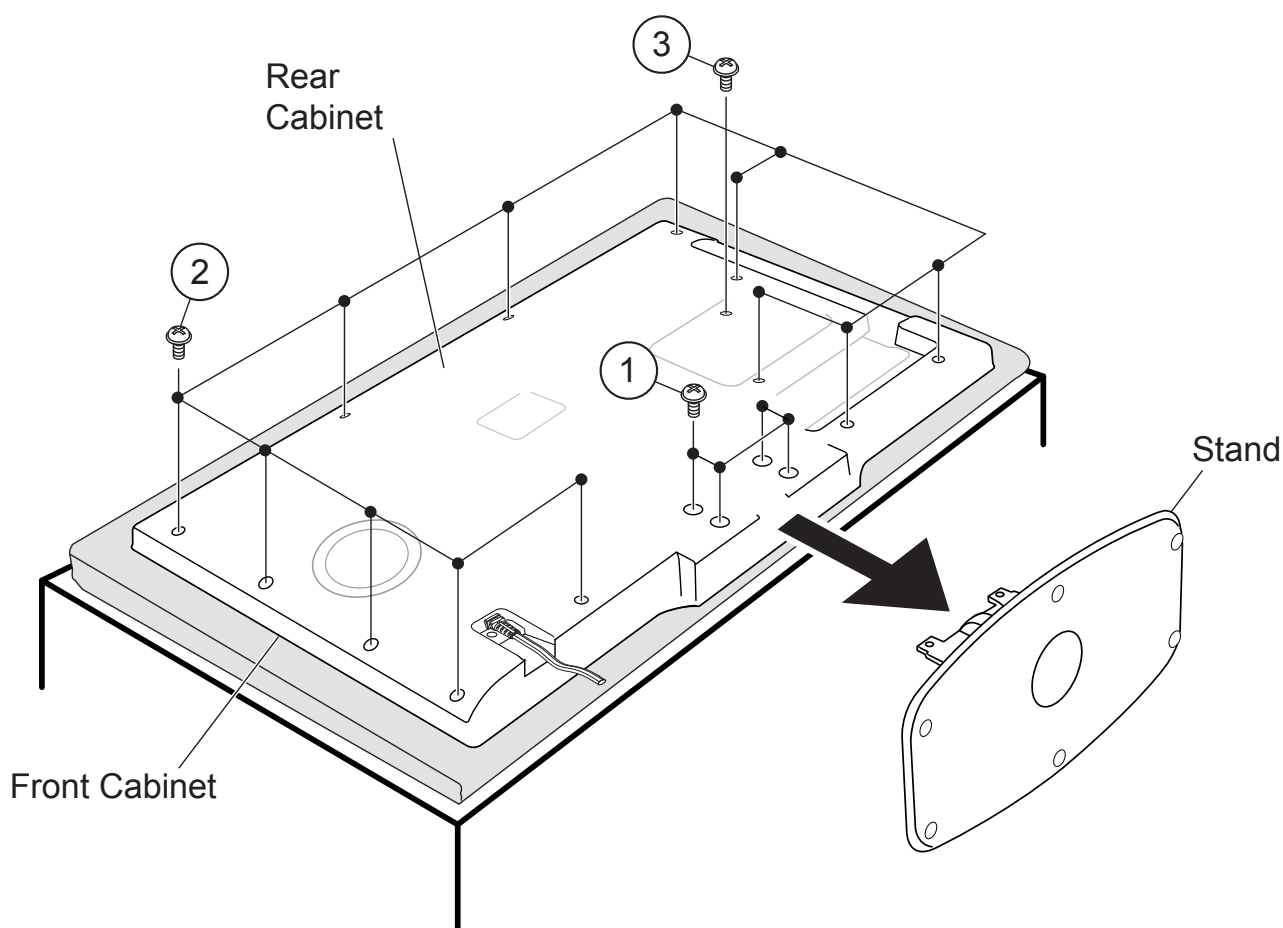
## DIMENSIONS



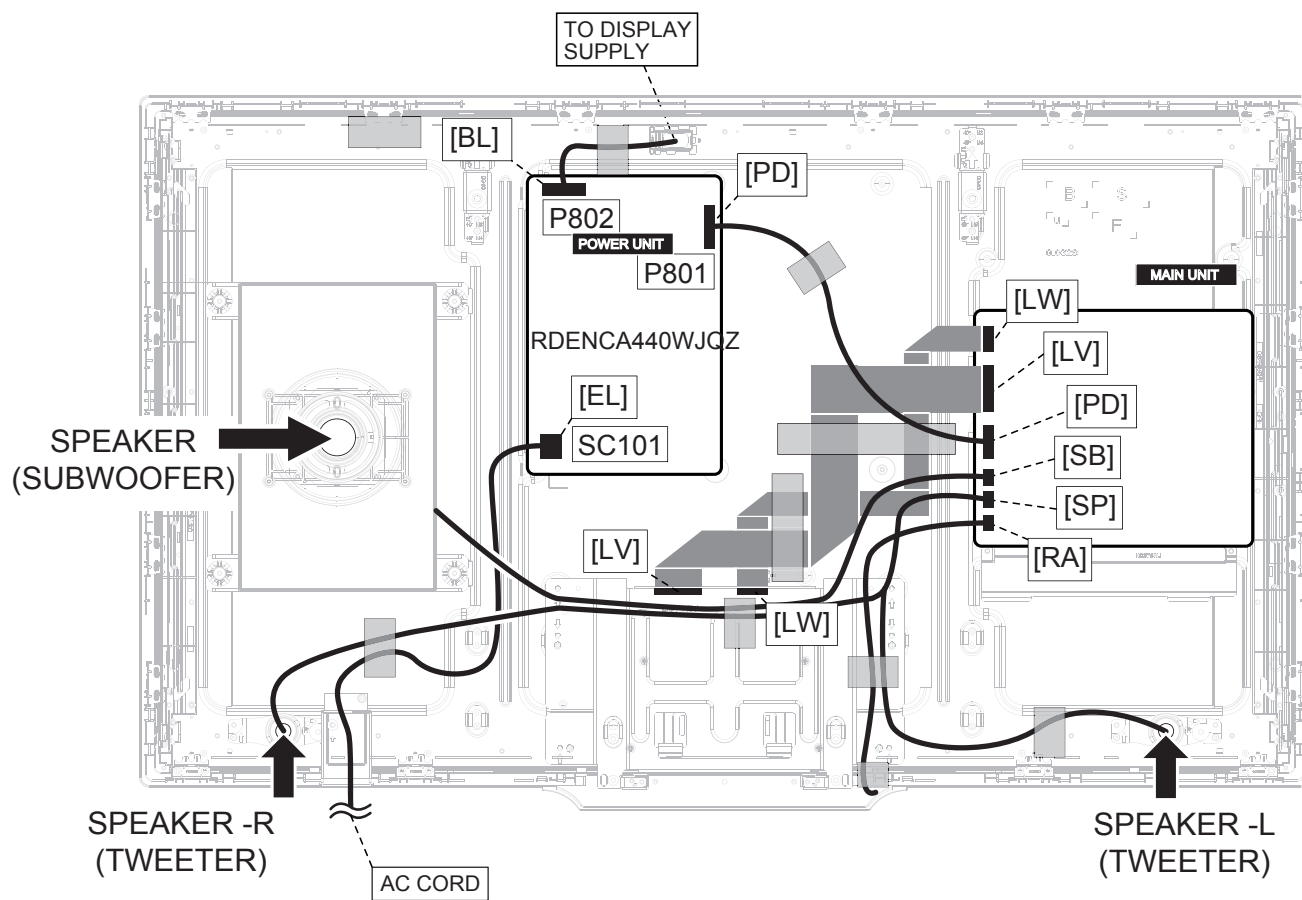
## REMOVING OF MAJOR PARTS

### 1. Removing of major Parts 40"

1. Remove the 4 lock screws ① and detach the Stand.
2. Remove the 12 lock screws ②, 1 lock screw ③ and detach the Rear Cabinet.

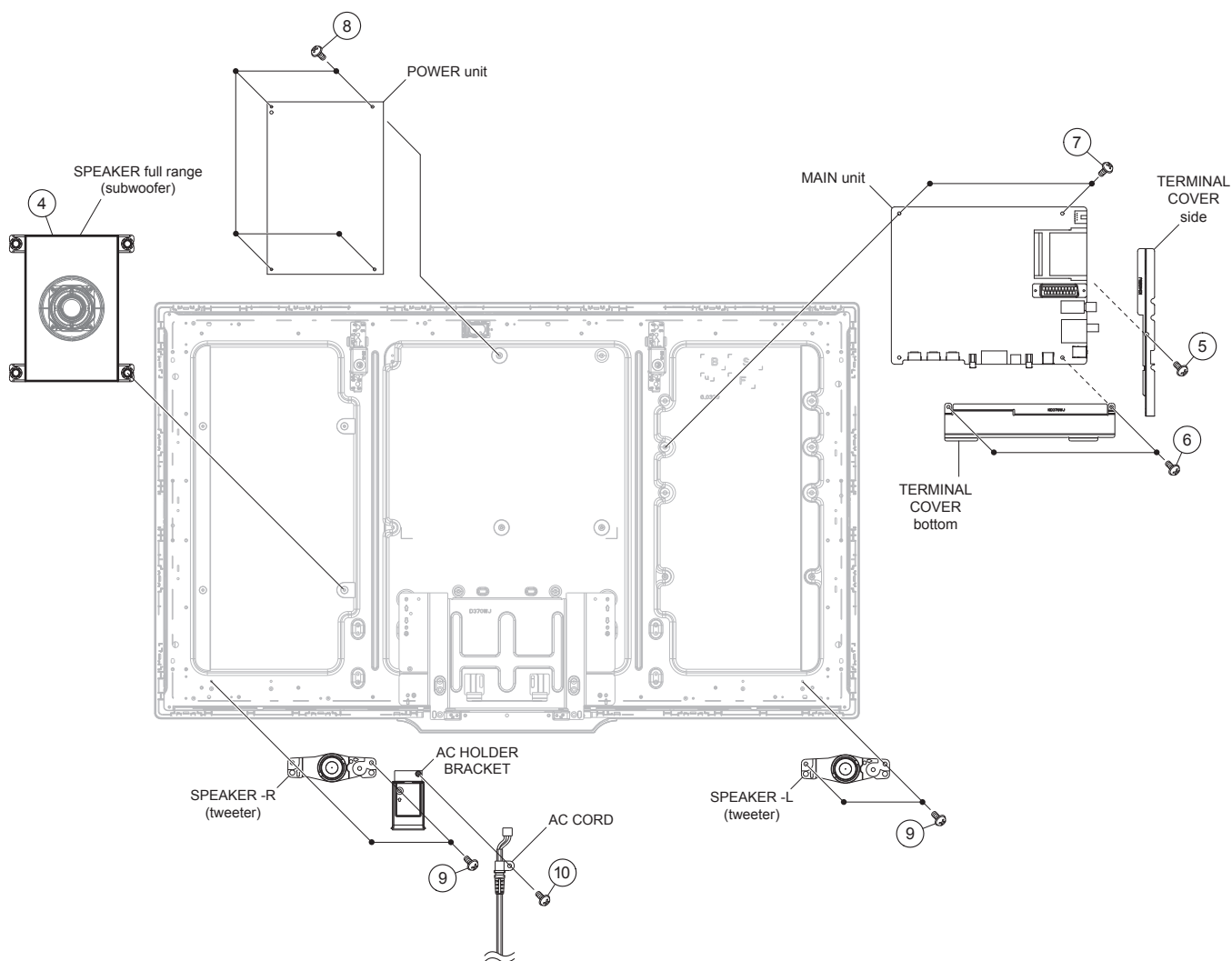


## 1. Removing of major Parts 40" (Continued)



## 1. Removing of major Parts 40" (Continued)

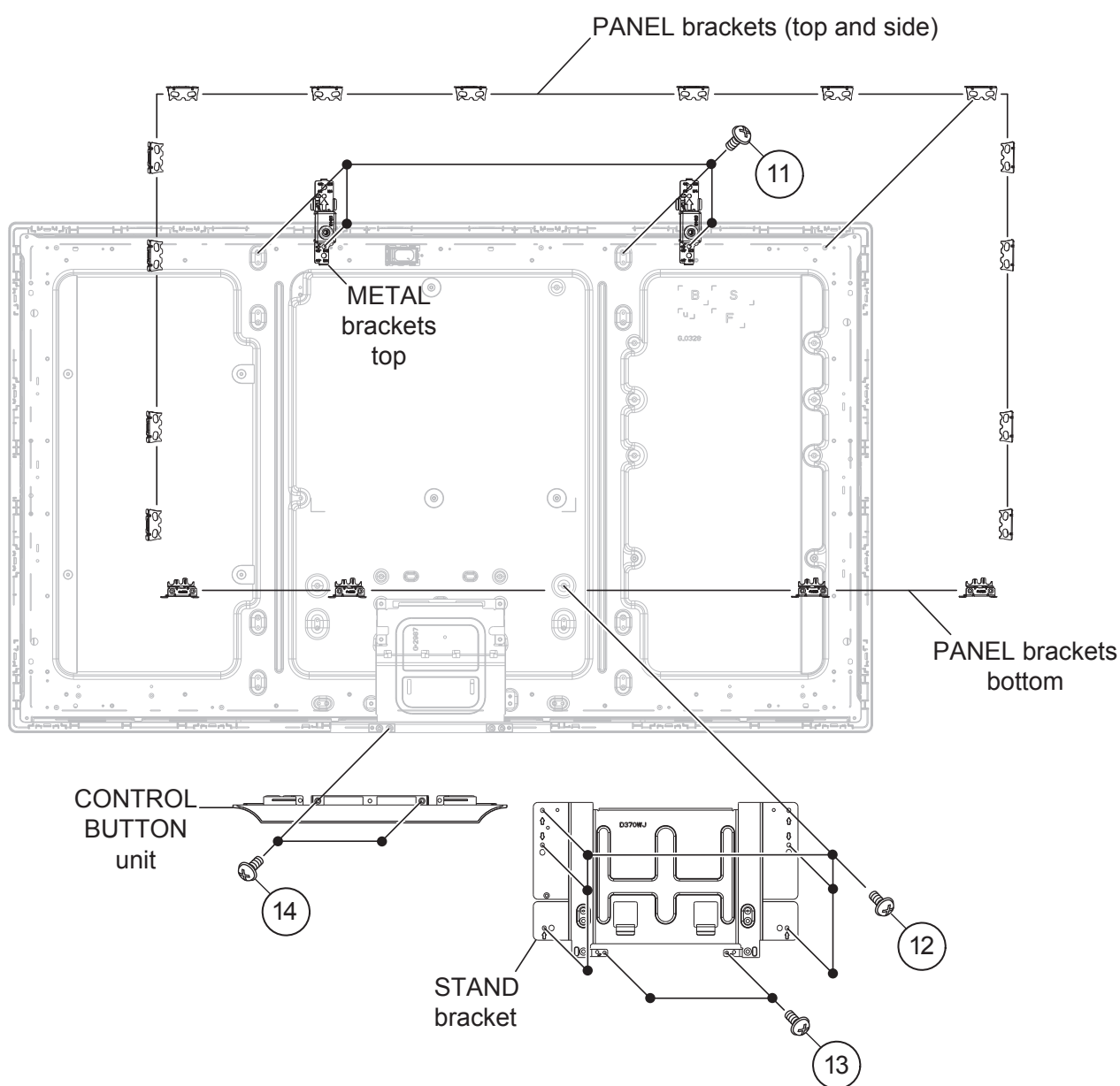
4. Remove the SPEAKER full range (subwoofer) ④ .
5. Remove the 1 lock screws ⑤ and detach the TERMINAL COVER side.
6. Remove the 2 lock screws ⑥ , 2 lock screws ⑦ and detach the TERMINAL COVER bottom and the MAIN unit.
7. Remove the 4 lock screws ⑧ and detach the POWER unit.
8. Remove the 4 lock screws ⑨ and detach the SPEAKER tweeter L and R.
9. Remove the 1 lock screws ⑩ and detach the AC CORD from AC HOLDER BRACKET.





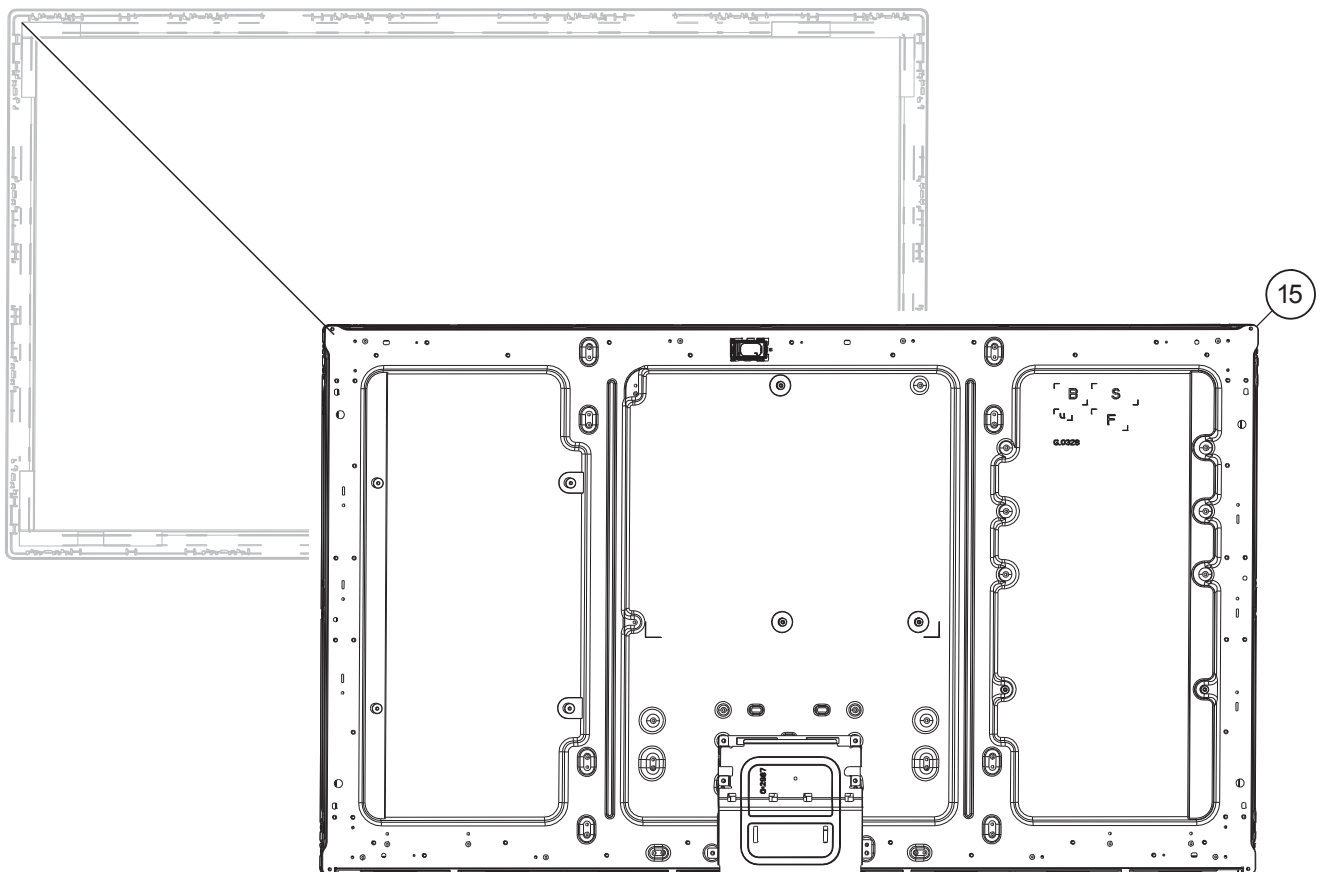
## 1. Removing of major Parts 40" (Continued)

10. Remove the 14 PANEL brackets (top and side) and 4 PANEL brackets bottom.
11. Remove the 4 lock screws ⑪ and detach the METAL brackets top.
12. Remove the 6 lock screws ⑫ and 2 lock screws ⑬ and detach the STAND bracket.
13. Remove the 2 lock screws ⑭ and detach the CONTROL BUTTON unit.



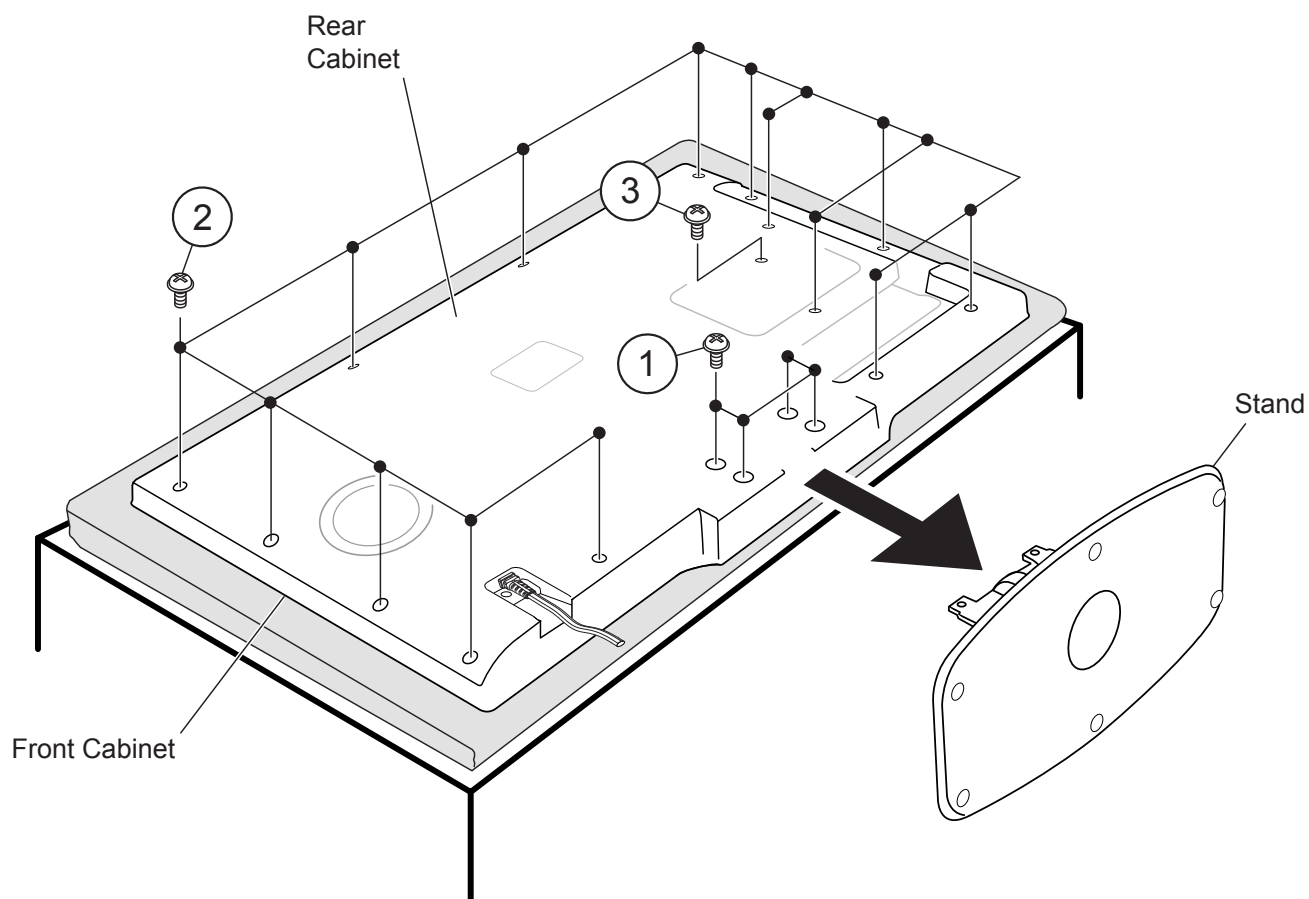
## 1. Removing of major Parts 40" (Continued)

14. Detach the LCD module ⑮ from CAB-A.

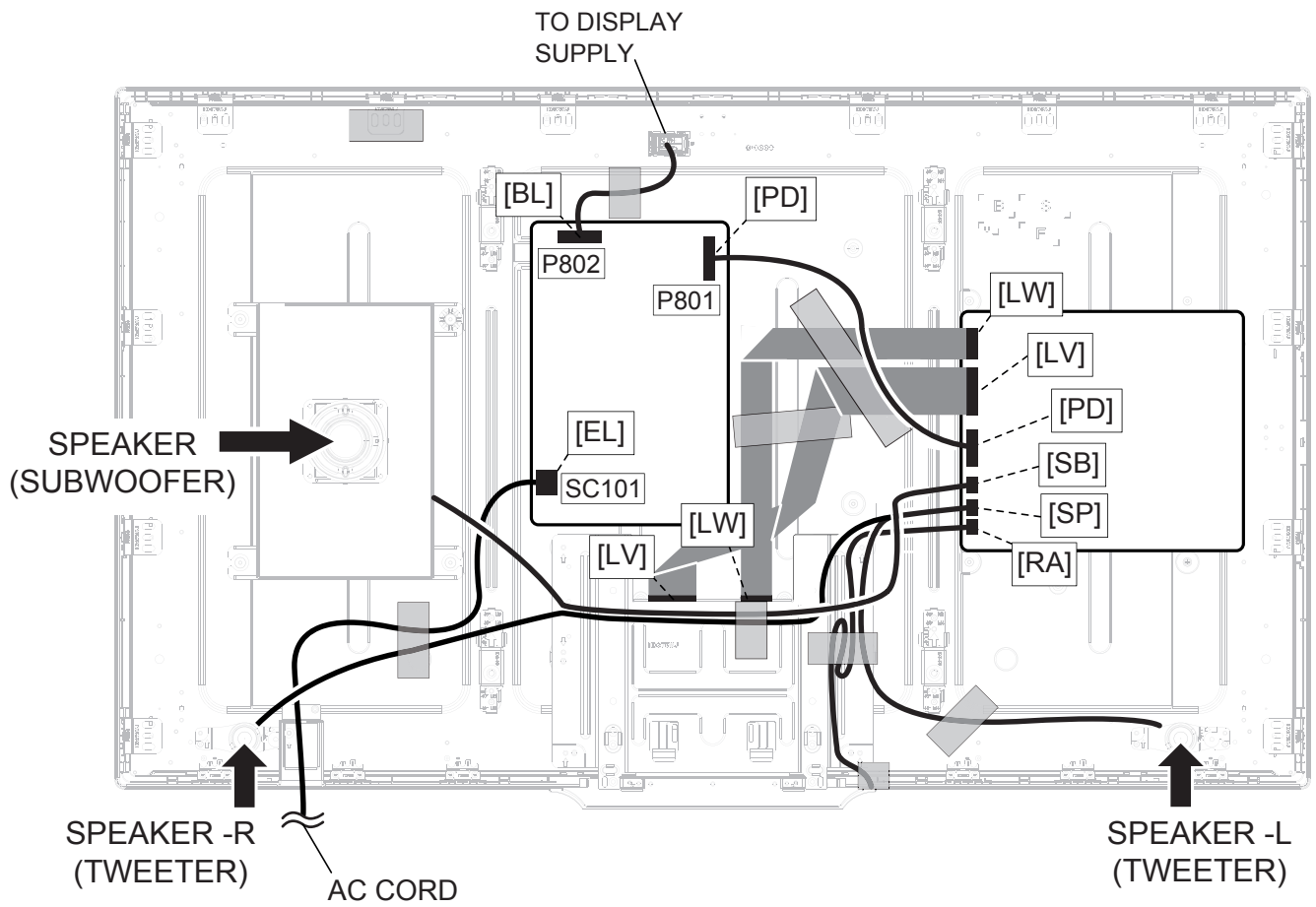


## 2. Removing of major Parts 46"

1. Remove the 4 lock screws ① and detach the Stand.
2. Remove the 14 lock screws ②, 1 lock screw ③ and detach the Rear Cabinet.

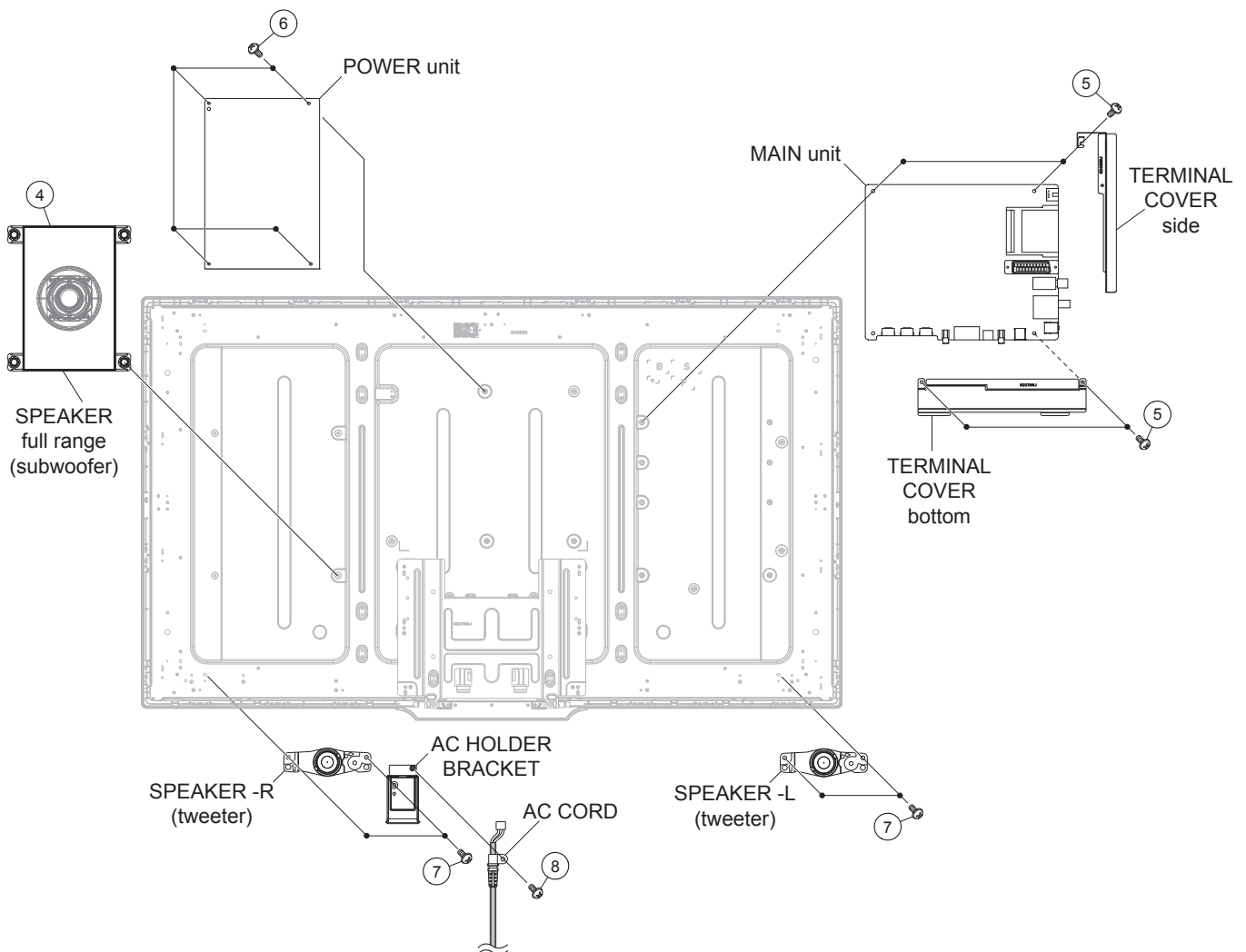


## 2. Removing of major Parts 46" (Continued)



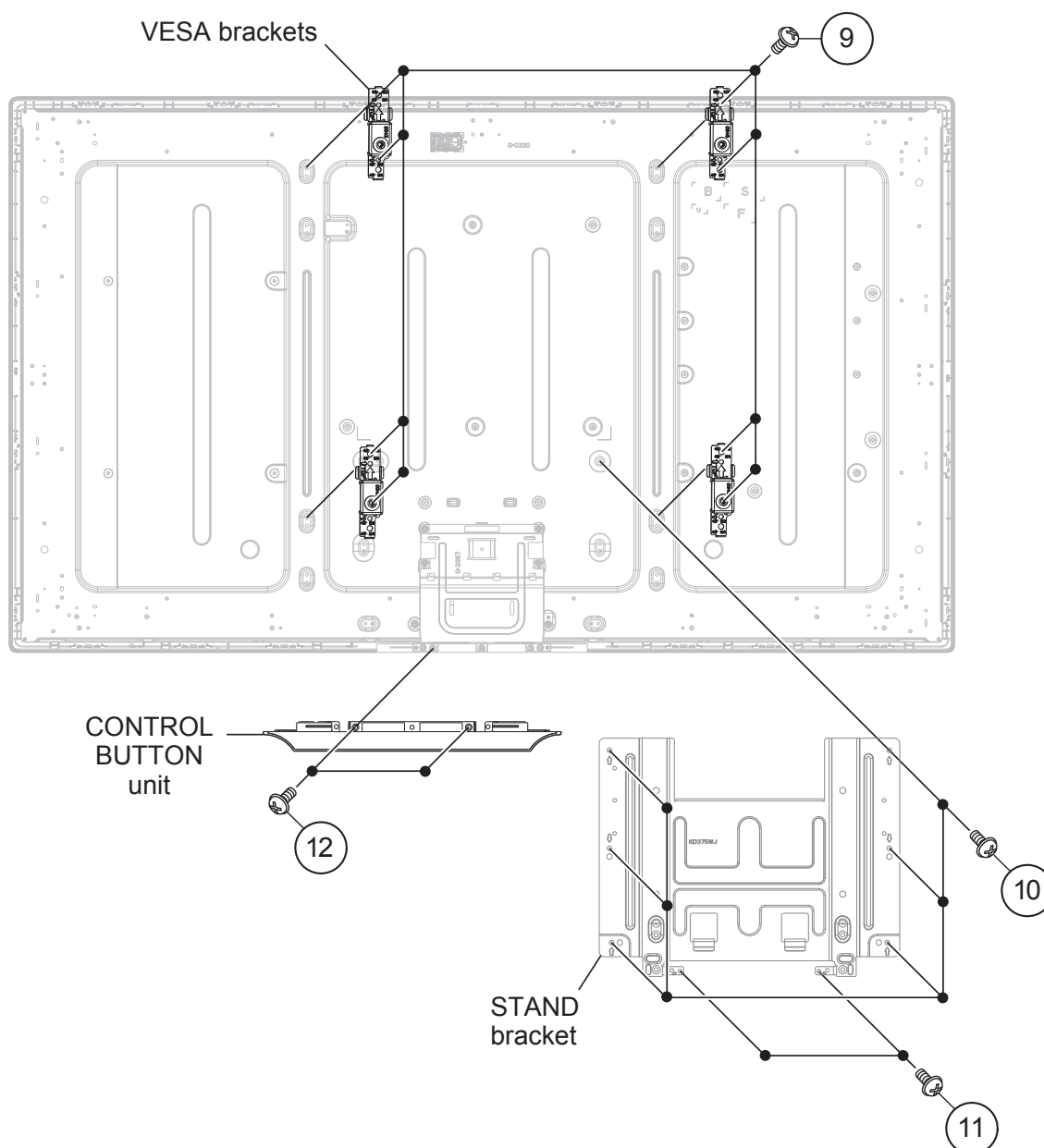
## 2. Removing of major Parts 46" (Continued)

4. Remove the SPEAKER full range (subwoofer) ④.
5. Remove the 4 lock screws ⑤ and detach the TERMINAL COVER side, bottom and the MAIN unit.
6. Remove the 4 lock screws ⑥ and detach the POWER unit.
7. Remove the 4 lock screws ⑦ and detach the SPEAKER tweeter L and R.
8. Remove the 1 lock screws ⑧ and detach the AC CORD from AC HOLDER BRACKET.



## 2. Removing of major Parts 46" (Continued)

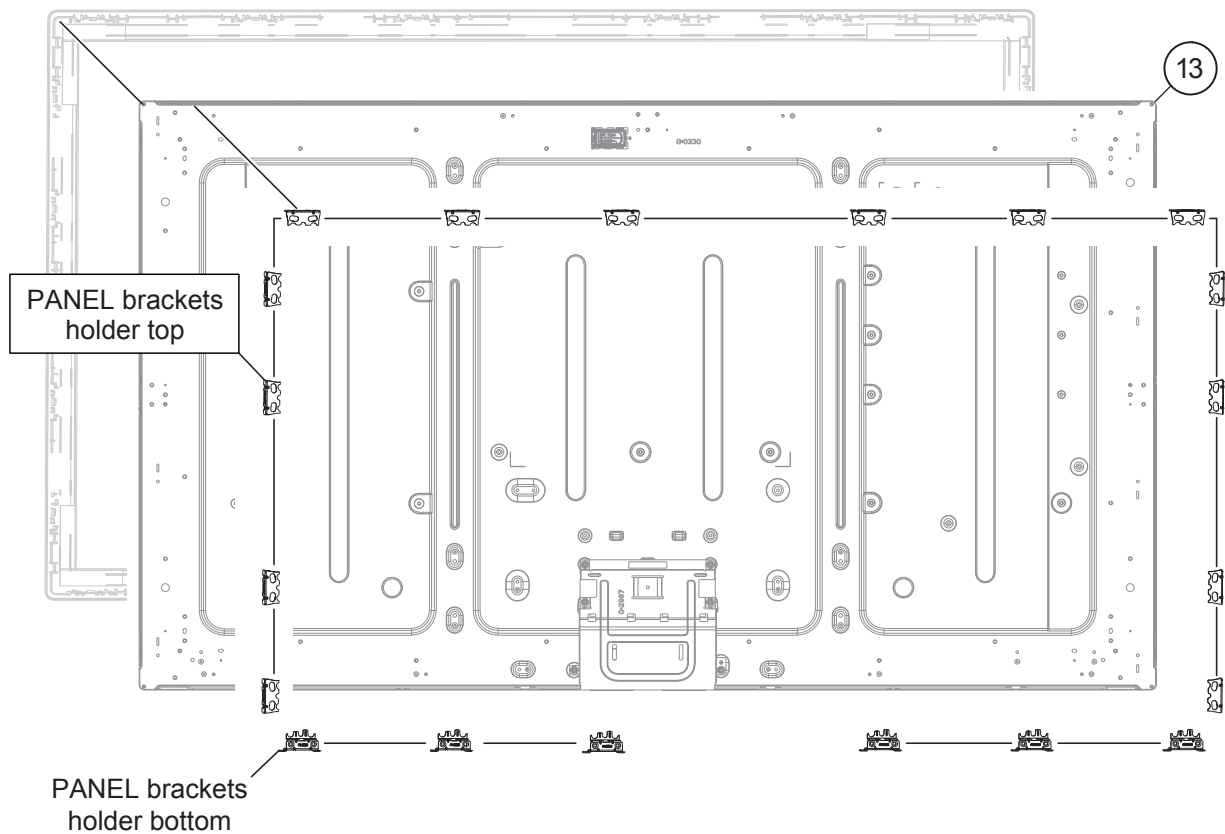
9. Remove the 8 lock screws ⑨ and detach the VESA brackets.
10. Remove the 6 lock screws ⑩ 2 lock screws ⑪ and detach the STAND bracket.
11. Remove the 2 lock screws ⑫ and detach the CONTROL BUTTON unit.



## 2. Removing of major Parts 46" (Continued)

12. Remove the 14 PANEL brackets holder top and 6 PANEL brackets holder bottom.

13. Detach the LCD module ⑬ from CAB-A.



## SERVICE ADJUSTMENTS

### 1. Adjustment method after PWB and/or IC replacement due to repair

The unit is set to the optimum performance at the time of shipment from the factory.

If any value should become improper or any adjustment is necessary due to the part replacement, make an adjustment according to the following procedure.

#### 1.1. Procure the following units in order to replace the main unit:

MAIN UNIT **DUNTKF915WExx**

NOTE: [Caution when replacing ICs in the main unit (IC0503)]

Before replacing the relevant part, procure the following parts in which the data have been rewritten.

| Ref.   | Description | Parts code IC + data | Description new IC code for service       |
|--------|-------------|----------------------|-------------------------------------------|
| IC0503 | PC EDID     | RH-IXD456WJZZY       | VHIR24002AS-1Y AND DATA LC4xLE73x_PC_EDID |

### 2. Entering and exiting the adjustment process mode. Standard method.

#### 1. By key-unit.

1. Unplug the AC power cord, plug the AC power cord and wait until pyramid led blue is illuminated and then.
2. Press and hold "V-" and " keys, simultaneously.
3. "K" appears on the screen.
4. Press and hold "V-" and "P-" keys, simultaneously.
5. "SHARP FACTORY MENU" appears (see Figure 1).
6. Unplug the AC power cord to exit of adjustments process.

#### 2. By own R/C

1. Turn on the TV set.
2. Press "9", "9", "9", "2", "2", "2" (to enter this code the time is limited to 5 sec. approx.)
3. "SHARP FACTORY MENU" appears (see Figure 1).
4. Press "OK" on lines 5 ~ 11 to go to submenu.
5. Press "END" to return to main menu.
6. Press "MENU" to exit of adjustments mode.



### 3. Remote control key operation and description of display in adjustment process mode

#### 1. key operation

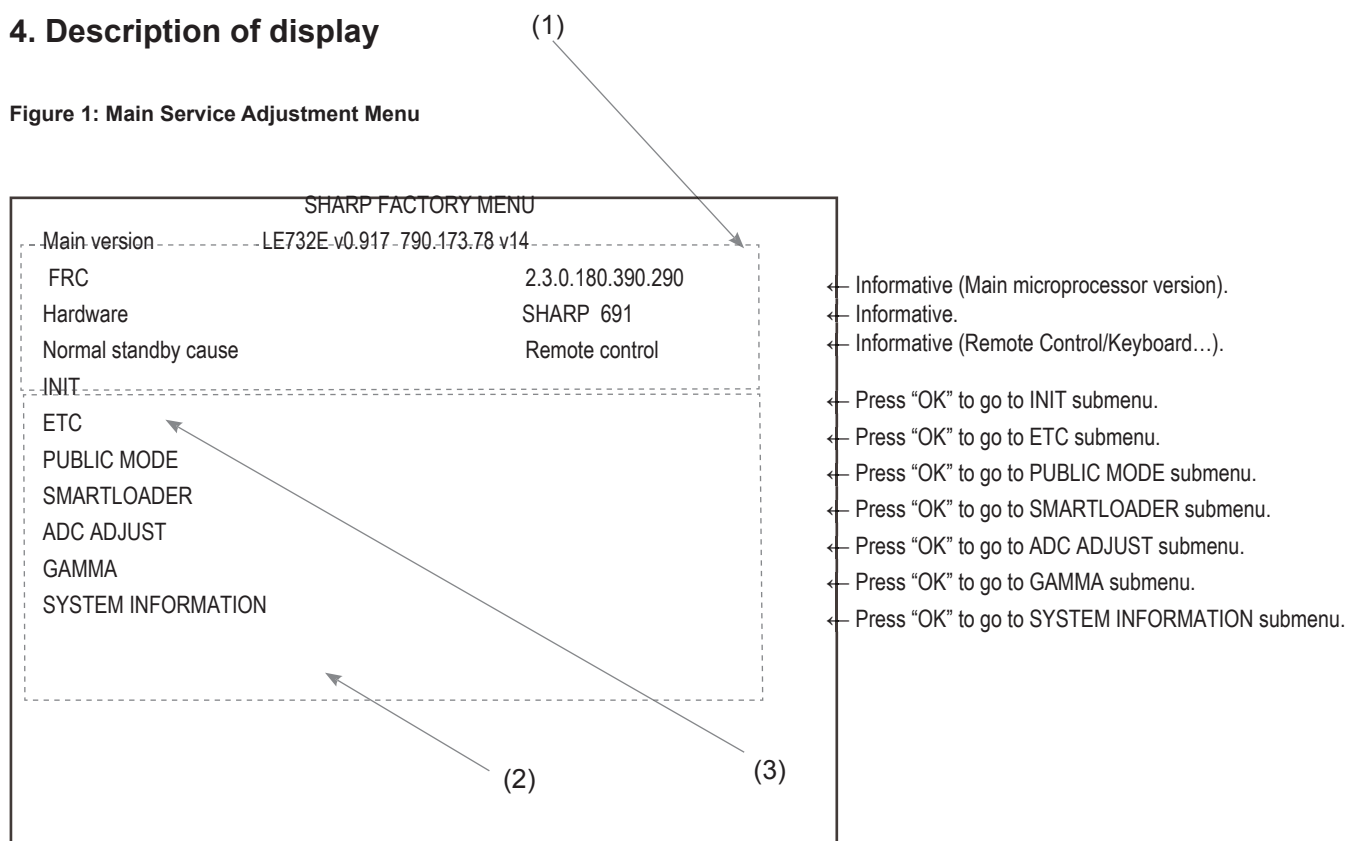
| Remote control key | Keyboard unit                                                                     | Function                                                                              |
|--------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Cursor (▼/▲)       | P (▽/△)                                                                           | Moving an item (line) by one (up/down) on "Sharp Factory Menu" or submenus.           |
| OK                 |  | Selecting a submenu on lines 5 to 12 of "Sharp Factory Menu" or executing a function. |
| Cursor (◀/▶)       | V (+/-)                                                                           | Changing a selected item setting value.                                               |
| MENU               | MENU                                                                              | Exit of adjustment mode.                                                              |
|                    |                                                                                   | Return to "Sharp Factory Menu" from a submenu.                                        |

The required input mode should be switched previously to enter the Service Mode.

**CAUTION:** Use due care in handling the information described here lest the users should know how to enter the adjustment process mode. If the settings are tampered with in this mode, unrecoverable system damage may result.

#### 4. Description of display

Figure 1: Main Service Adjustment Menu



| No. | Description                   | Display specification                                        |
|-----|-------------------------------|--------------------------------------------------------------|
| (1) | Service Information           | Current Software version and others.                         |
| (2) | Item name                     | Submenus to be checked or adjusted (by pressing "OK" button) |
| (3) | Factory init and Inch setting | Are shown on INIT submenu                                    |

## 5. Adjustment process mode menu

| Page | Line | Sub page | Item                         | Description                                        | Remarks (adjustment details, etc.)                     |
|------|------|----------|------------------------------|----------------------------------------------------|--------------------------------------------------------|
|      | 1    |          | Main Version                 | LE732E v0.917 790.173.78 v14                       | Informative only (Main microprocessor version)         |
|      | 2    |          | FRC                          | 2.3.0.180.390-290                                  | Informative only (FRC version)                         |
|      | 3    |          | HardwareVersion              | SHARP 691                                          | Informative only                                       |
|      | 4    |          | Normal Standby Cause         | None / Remote Control / Keyboard...                | Informative only                                       |
|      | 5    |          | INIT                         | Factory Init Submenu                               | Press "▶" or "OK" to enter to Factory Init Submenu     |
|      |      | 2/8      | Factory Init                 | EURO                                               | Informative (EURO/RUSSIA/NORDIC/UK/EAST EUROPE)        |
|      |      |          | Inch Setting                 | 40"                                                | Panel type (40" / 46")                                 |
|      |      |          | Center Acutime               | 0 H 0 M                                            | Backlight ON accumulated Time                          |
|      |      |          | RESET                        | ▶                                                  | Press "▶" to reset Center Acutime                      |
|      |      |          | TUNER                        | NuTUNE                                             | Press "▶" or "OK" to select (Nutune / LG)              |
|      | 6    |          | ETC                          | EEP, Autoinstallation, Option, Country, L Error... | Press "▶" or "OK" to enter to ETC Submenu              |
|      |      | 3/8      | EEP Clear                    | ▶                                                  | Press "▶" to Clear NVM data                            |
|      |      |          | EEP Clear B                  | ▶                                                  | Press "▶" to Clear NVM data (except adjustments area). |
|      |      |          | Standby cause reset          | ▶                                                  | Press "▶" to Reset of STANDBY CAUSE.                   |
|      |      |          | Autoinstallation SW          | Off                                                | ▶                                                      |
|      |      |          | Pattern                      | 0                                                  | Selection of internal pattern from 0 to 6              |
|      |      |          | L Error Counter              | 0                                                  | Function is not available                              |
|      |      |          | L Error Reset                | ▶                                                  | Function is not available                              |
|      | 7    |          | PUBLIC MODE                  | PUBLIC MODE Submenu                                | Press "▶" or "OK" to enter to PUBLIC MODE Submenu      |
|      |      | 4/8      | Power On fixed               | Variable                                           | Press "▶" to change Variable/Fixed.                    |
|      |      |          | Maximum volume               | 60                                                 | Press "▶" to change 0/60.                              |
|      |      |          | Volume fixed                 | Variable                                           | Press "▶" to change Variable/Fixed.                    |
|      |      |          | Volume fixed Level           | 20                                                 | Press "▶" to change 0/60.                              |
|      |      |          | RC button                    | Respond                                            | Press "▶" to change Respond/No respond.                |
|      |      |          | Panel button                 | Respond                                            | Press "▶" to change Respond/No respond.                |
|      |      |          | Menu button                  | Respond                                            | Press "▶" to change Respond/No respond.                |
|      |      |          | Input mode start             | Normal                                             | Press "▶" to change Normal/TV/SCART/...                |
|      |      |          | Input mode fixed             | Variable                                           | Press "▶" to change Variable/Fixed.                    |
|      |      |          | Input TV mode program number | 0                                                  | Press "▶" to change 0 → 1 → 2 ...999 ).                |
|      |      |          | RC path through              | Off                                                | Press "▶" to change On/Off (required external module)  |
|      |      |          | Hotel mode                   | Off                                                | Press "▶" to change On/Off.                            |
|      |      |          | Reset                        | ▶                                                  | Press "▶" to return to factory settings.               |
|      |      |          | Commit                       | ▶                                                  | Press "▶" to confirm.                                  |
|      |      |          | On screen display            | On                                                 | Press "▶" to change On/Off.                            |
|      | 8    |          | SMART LOADER                 | SMART LOADER Submenu                               | Press "▶" or "OK" to enter to SMART LOADER Submenu     |
|      |      | 5/8      | Save settings to USB         | "Wait..." and "OK" when finish the process         | Press "▶" to Save.                                     |
|      |      |          | Load settings from USB       | "Wait..." and "OK" when finish the process         | Press "▶" to Load.                                     |
|      | 9    |          | ADC ADJUST                   | ADC ADJUST Submenu                                 | Press "▶" or "OK" to enter to ADC ADJUST Submenu       |
|      |      | 6/8      | MODE                         | YPbPr(SD)                                          | Only for Engineering purpose (Please don't use)        |
|      |      |          | ADJUST                       | Int. signal                                        | Only for Engineering purpose (Please don't use)        |
|      |      |          | R-GAIN                       | 272                                                | Only for Engineering purpose (Please don't use)        |

## 5. Adjustment process mode menu (continued)

| Page | Line | Sub page | Item               | Description                | Remarks (adjustment details, etc.)                                                                 |
|------|------|----------|--------------------|----------------------------|----------------------------------------------------------------------------------------------------|
|      | 10   |          | G-GAIN             | 269                        | Only for Engineering purpose (Please don't use)                                                    |
|      |      |          | B-GAIN             | 272                        | Only for Engineering purpose (Please don't use)                                                    |
|      |      |          | R-OFFSET           | 2019                       | Only for Engineering purpose (Please don't use)                                                    |
|      |      |          | G-OFFSET           | 2044                       | Only for Engineering purpose (Please don't use)                                                    |
|      |      |          | B-OFFSET           | 2019                       | Only for Engineering purpose (Please don't use)                                                    |
|      |      |          | AUTO ADC           | ►                          | Only for Engineering purpose (Please don't use)                                                    |
|      |      |          | GAMMA              | GAMMA Submenu              | Press "►" or "OK" to enter to GAMMA Submenu                                                        |
|      |      | 7/8      | MGAMMA IN1         | 40                         | W/B adjustment, gradation 1 input setting.                                                         |
|      |      |          | MGAMMA IN2         | 80                         | W/B adjustment, gradation 2 input setting.                                                         |
|      |      |          | MGAMMA IN3         | 120                        | W/B adjustment, gradation 3 input setting.                                                         |
|      |      |          | MGAMMA IN4         | 160                        | W/B adjustment, gradation 4 input setting.                                                         |
|      |      |          | MGAMMA IN5         | 200                        | W/B adjustment, gradation 5 input setting.                                                         |
|      |      |          | MGAMMA IN6         | 240                        | W/B adjustment, gradation 6 input setting.                                                         |
|      |      |          | Pattern            | 0                          | Selection of internal pattern from 0 to 6                                                          |
|      |      |          |                    | 40 inch / 46 inch          |                                                                                                    |
|      |      |          | MGAMMA R1          | 205 / 168                  | W/B adjustment, gradation 1R adjustment value.                                                     |
|      |      |          | MGAMMA G1          | 193 / 163                  | W/B adjustment, gradation 1G adjustment value.                                                     |
|      |      |          | MGAMMA B1          | 207 / 166                  | W/B adjustment, gradation 1B adjustment value.                                                     |
|      |      |          | MGAMMA R2          | 373 / 339                  | W/B adjustment, gradation 2R adjustment value.                                                     |
|      |      |          | MGAMMA G2          | 360 / 328                  | W/B adjustment, gradation 2G adjustment value.                                                     |
|      |      |          | MGAMMA B2          | 371 / 327                  | W/B adjustment, gradation 2B adjustment value.                                                     |
|      |      |          | MGAMMA R3          | 537 / 511                  | W/B adjustment, gradation 3R adjustment value.                                                     |
|      |      |          | MGAMMA G3          | 532 / 497                  | W/B adjustment, gradation 3G adjustment value.                                                     |
|      |      |          | MGAMMA B3          | 534 / 494                  | W/B adjustment, gradation 3R adjustment value.                                                     |
|      |      |          | MGAMMA R4          | 692 / 670                  | W/B adjustment, gradation 4R adjustment value.                                                     |
|      |      |          | MGAMMA G4          | 691 / 651                  | W/B adjustment, gradation 4G adjustment value.                                                     |
|      |      |          | MGAMMA B4          | 689 / 651                  | W/B adjustment, gradation 4B adjustment value.                                                     |
|      |      |          | MGAMMA R5          | 837 / 823                  | W/B adjustment, gradation 5R adjustment value.                                                     |
|      |      |          | MGAMMA G5          | 837 / 799                  | W/B adjustment, gradation 5G adjustment value.                                                     |
|      |      |          | MGAMMA B5          | 831 / 800                  | W/B adjustment, gradation 5B adjustment value.                                                     |
|      |      |          | MGAMMA R6          | 972 / 971                  | W/B adjustment, gradation 6R adjustment value.                                                     |
|      |      |          | MGAMMA G6          | 970 / 945                  | W/B adjustment, gradation 6G adjustment value.                                                     |
|      |      |          | MGAMMA B6          | 957 / 937                  | W/B adjustment, gradation 6R adjustment value.                                                     |
|      |      |          | Commit             | ►                          | Press "►" for EEP writing of adjustment values.                                                    |
|      | 11   |          | SYSTEM INFORMATION | SYSTEM INFORMATION Submenu | Press "►" or "OK" to enter to SYSTEM INFORMATION Submenu (Only for Engineering purpose, don't use) |
|      |      | 8/8      | NOISE LEVEL        | 0                          | Informative. Only for Engineering purpose.                                                         |
|      |      |          | GLOBAL MOTION      | 0                          | Informative. Only for Engineering purpose.                                                         |
|      |      |          | BIT RATE           | 0                          | Informative. Only for Engineering purpose.                                                         |
|      |      |          | VPS code           | 0x0                        | Informative. Only for Engineering purpose.                                                         |
|      |      |          | 830/1 code         | 0x0                        | Informative. Only for Engineering purpose.                                                         |
|      |      |          | 830/2 code         | 0x0                        | Informative. Only for Engineering purpose.                                                         |

## 6. White Balance Adjustment

Condition:

- AV MODE= **Dynamic** (backlight at max.).
- Select correct Inch setting (40" or 46") in "INIT" menu.
- Adjustments reference device: **Minolta CA-210**
- Adjustments target: **x=0.274, y=0.284**

High: adjustments spec  $\pm 0.001$ , inspection spec:  $\pm 0.002$

Low: adjustments spec  $\pm 0.002$ , inspection spec:  $\pm 0.004$

1. Press "▼" until selecting "GAMMA" option.
2. Press "OK".
3. "GAMMA" menu appears.
4. Press "▼" until selecting "MGAMMA RESET".
5. Press "►", to restore default values.
6. Hold the default value for "MGAMMA G1".  
(Note: next, try to get the (x, y) adjustments target, changing "MGAMMA R1" and "MGAMMA B1" as follow).
7. Press "▼" until selecting "MGAMMA R1".
8. Press "►" to enter "Internal Adjustments Pattern 1".
9. Press "◀ ►" until you obtain the desired value.
10. Press "END" to return to previous menu.
11. Press "▼" until selecting "MGAMMA B1".
12. Press "►" to enter "Internal Adjustments Pattern 1".
13. Press "◀ ►" until you obtain the desired value.
14. Press "END" to return to previous menu.  
(Note: In case of not being possible to achieve the desired (x, y) target, try to get it by changing also the "MGAMMA G1")
15. Press "▼" until selecting "MGAMMA R2".
16. Press "►" to enter "Internal Adjustments Pattern 2".
17. Repeat from step 6 to 14 for the "MGAMMA R2" and "MGAMMA B2".
18. Press "▼" until selecting "MGAMMA R3".
19. Press "►" to enter "Internal Adjustments Pattern 3".
20. Repeat from step 6 to 14 for the "MGAMMA R3" and "MGAMMA B3".
21. Press "▼" until selecting "MGAMMA R4".
22. Press "►" to enter "Internal Adjustments Pattern 4".
23. Repeat from step 6 to 14 for the "MGAMMA R4" and "MGAMMA B4".
24. Press "▼" until selecting "MGAMMA R5".
25. Press "►" to enter "Internal Adjustments Pattern 5".
26. Repeat from step 6 to 14 for the "MGAMMA R5" and "MGAMMA B5".
27. Press "▼" until selecting "MGAMMA R6".
28. Press "►" to enter "Internal Adjustments Pattern 6".
29. Repeat from step 6 to 14 for the "MGAMMA R6" and "MGAMMA B6".
30. Press "▼" until selecting "Commit".
31. Press "►", to save the new values.

NOTE:

For activating the W/B flag, only is necessary to send the order "Commit". After this action, the "W" W/B flag will change to "1".

## 7. Initialization to factory setting

Caution: When the factory settings have been made, all user setting data, including the channel settings, are initialized. The adjustments done in the adjustment process mode are not initialized.) Keep this in mind when initializing these settings.

1. Enter in Service Mode.
2. Press “▼” or “▲” key until selecting INIT.
3. Press OK key.
4. INIT menu appears and “Factory init” option is selected.
5. Press “▶” and select the option desired (EURO/RUSSIA/NORDIC/UK/EAST EUROPE).
6. Press OK key and initialization starts.
7. WEST EURO OK message appears for EURO option when the setting is complete.  
RUSSIA OK message appears for EURO option when the setting is complete.  
NORDIC OK message appears for RUSSIA option when the setting is complete.  
UK OK message appears for UK option when the setting is complete.  
EAST EUROPE OK message appears when the setting is complete.

Note: Never turn the power off during initialization.

TV restarts in “Initial Installation” menu. The following settings will be back to their factory ones:

- User settings
- Channel data (e.g. Broadcast frequencies)
- Maker option setting
- Password data.

## 8. SMART LOADER

### Description.

The Smartloader is a function implemented in the service software of SEES designed L730 series intended to easily replicate the user settings of one TV into another. These settings include (but not restricted to): picture and audio, tuning set-up, language and country selection, PIN, child locked programs... Factory adjustments are not copied as they are different for every TV.

The Smartloader makes possible the user data to be stored in a memory device connected to the USB terminal of the TV that is used as reference and later load those data into other TVs by using their respective USB terminal.

### How it works.

In reference TV:

1. Insert a memory device in the USB slot.
2. Enter in service mode, select Factory Menu and SMARTLOADER option.
3. Select “Save settings to USB” and press the RIGHT cursor in the remote control.
4. Wait until “OK” is displayed, the file has been successfully created in the root directory of the memory device.  
In case of error, an explanation message is shown.

In TV to be cloned:

1. Insert a memory device with a file in it obtained following the above procedure.
2. Enter in service mode, select Factory Menu and SMARTLOADER option.
3. Select “Load settings from USB” and press the RIGHT button in the remote control.
4. After some seconds, “OK, reboot TV set” is displayed. In case of error, an explanation message is shown.
5. As indicated, reboot the TV to load the new settings.

Very important: All the TVs must have the same software version and hardware.

## PUBLIC MODE

### 1. How to Enter in the Public Mode (Hotel Mode)

There are two following ways to display the Public Mode setting screen.

#### Method 1:

Turn on the power and enter in the Service mode as usual and select line 8 [PUBLIC MODE].

#### Method 2:

Unplug the AC power cord.

Plug the AC power cord. When the LED light blue, press "VOL+" and "→" keys at the same time.

Then, when you are asked for the password, enter "0027".

After this sequence the TV will turn on showing the Public Mode setting screen. In another case, the screen is erased, and it operates in the ordinary mode.

### 2. Public Mode Settings

#### 1. POWER ON FIXED [VARIABLE ↔ FIXED]

When it is set to "FIXED" the TV is impossible to be switch off by Main Switch or Remote Control.

#### 2. MAXIMUM VOLUME [0 ↔ 60]

Is possible to set the maximum volume at limited level.

#### 3. VOLUME FIXED [VARIABLE ↔ FIXED]

Is possible to fix the sound volume at limited level.

When "FIXED" is selected the sound volume before limited is fixed.

#### 4. VOLUME FIXED LEVEL [0 ↔ 60]

If "FIXED" has been selected, is possible to set a fixed volume at the level that is chosen.

#### 5. RC BUTTON [RESPOND ↔ NO RESPOND]

If "NO RESPOND" is selected, the remote control keys are inoperative.

#### 6. PANEL BUTTON [RESPOND ↔ NO RESPOND]

If "NO RESPOND" has been selected, the set's keys remain deactivated (Except POWER key).

#### 7. MENU BUTTON [RESPOND ↔ NO RESPOND]

If "NO RESPOND" has been selected, "MENU" key, of remote control, is inoperative.

#### 8. ON SCREEN DISPLAY [On ↔ Off]

If "OFF" has been selected, the On Screen Display does not appear.

#### 9. INPUT MODE START [ DTV → ATV → AV → SCART-AV → COMPONENTS → PC-RGB → HDMI1 → HDMI2 → HDMI3 → HDMI4 ]

When any other item than "NORMAL" has been selected, the sets will start in a selected input mode at the next power-on.

## 2. Public Mode Settings (continued)

10. INPUT MODE FIXED [VARIABLE → FIXED]

“FIXED” has been selected, any channels and input modes other than those selected at the start mode cannot be picked up.

11. INPUT TV MODE PROGRAM NUMBER [1-999]

When any other item than “NORMAL”, i.e. number, has been selected, and “INPUT MODE START” option is set to “TV”, the sets will start in the selected service / program number at the next power-on.

12. RC PATH THROUGH [ON ↔ OFF]

When ON and RS-232 circuitry is really assembled, in pin #9 of RS-232 socket appears a feedback of the remote signal (3.3v logic type).

13. HOTEL MODE [ON ↔ OFF]

If ON has been selected the HOTEL MODE is activated.

14. RESET

Cancel all Public Mode settings. (It returns to the factory settings)

15. COMMIT

Press OK to select this item, or press cursor RIGHT / LEFT keys on the remote control to apply the change.

If “YES” is selected the change will be stored and the TV set will be reset.

## SOFTWARE UPGRADING

### 1. Main Unit Software Upgrading (USB)

#### 1.1. Introduction

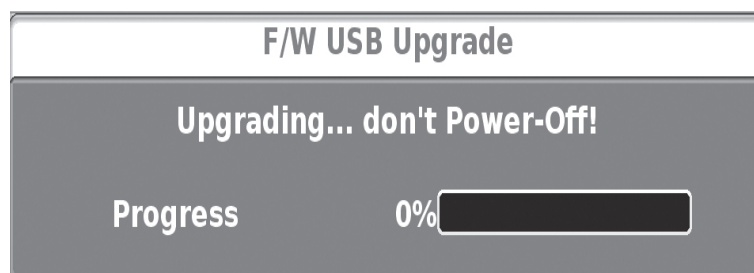
- 1.1.1. In order to proceed with the Software Updating do not enter into Service Mode.

#### 1.2. Procedure

- 1.2.1. Insert the USB memory into a side USB terminal with the file name "zTVApp\_Complete.zimage" on the root directory.
- 1.2.2. Once detected the USB it will appear on screen the following request:



- 1.2. 3. Press "◀" until selecting "Yes".
- 1.2. 4. Press "OK".
- The software update process starts.



- "Software upgrading progress \*\*%" message appears.
- NOTE: During the upgrading process, do not power-off the TV set.
- Once finished the process the following success or failed message appears .



- 1.2. 5. Remove the USB Drive.
- 1.2. 6. Press OK to reset the TV.
- 1.2.7. In case of failure, please repeat the upgrade process again.



## MAJOR ICs INFORMATION

### 1. General ICs Information

#### DUNTKF915WE (Main Unit)

- **IC 1505:** HDMI Switch 3 inputs to 1 output.

Part number: BU16028KV

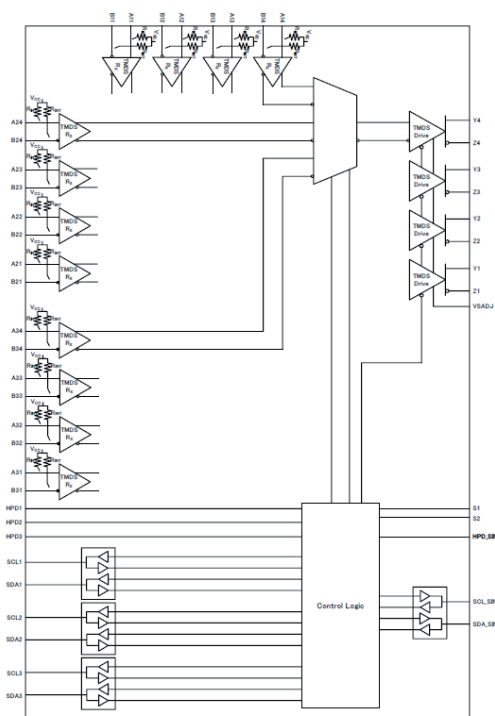
Sharp code: VHIBU16028K-1Q

<http://www.rohm.com/products/databook/video/pdf/bu16006kv-e.pdf>

Features:

- Supports 2.25 Gbps Signaling Rate for 480i/p, 720p, and 1080i/p Resolution to 12-Bit Color Depth.
- Compatible with HDMI 1.3a.
- 5V Tolerance to all DDC and HPD\_SINK Inputs.
- Integrated Switchable 50Ω Receiver Termination.
- Integrated DDC buffer.
- Integrated Equalizer circuit to adapt long cable.

Block Diagram



- **IC 2701 :** Audio Power.

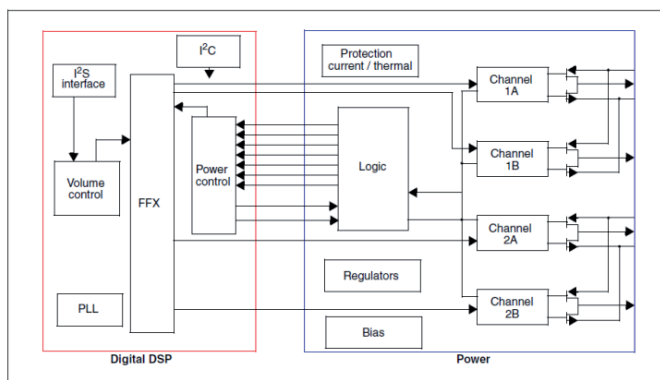
Part number: STA333BW13TR

Sharp code: VHISTA333BW-1L.

[http://www.st.com/Internet/COM/TECHNICAL\\_RESOURCES/TECHNICAL\\_LITERATURE/DATASHEET/CD00166760.pdf](http://www.st.com/Internet/COM/TECHNICAL_RESOURCES/TECHNICAL_LITERATURE/DATASHEET/CD00166760.pdf)

Features:

- Wide-range supply voltage, 4.5 V to 21.5 V.
- Three power output configurations:
  - 2 channels of ternary PWM (2 x 20 W into 8 Ω at 18 V) + PWM output.
  - 2 channels of ternary PWM (2 x 20 W into 8 Ω at 18 V) + ternary stereo line-out.
  - 2.1 channels of binary PWM (left, right, LFE) (2 x 9 W into 4 Ω + 1 x 20 W into 8 at 18 V).
- □ FFX with 100-dB SNR and dynamic range.
- Scalable FFX modulation index.
- Selectable 32- to 192-kHz input sample rates.
- I2C control with selectable device address.
- Digital gain/attenuation +48 dB to -80 dB with 0.5-dB/step resolution.
- Soft volume update with programmable ratio.
- Individual channel and master gain/attenuation.
- Dynamic range compression (DRC) or anti-clipping mode.
- Audio presets:
  - 15 preset crossover filters.
  - 5 preset anti-clipping modes.
  - Preset night-time listening mode.
- Individual channel soft/hard mute.
- Independent channel volume and DSP bypass.
- I2S input data interface.
- Input and output channel mapping.
- Automatic invalid input-detect mute.
- Up to 5 user-programmable bi-quads by channel.
- Three coefficients banks for EQ presets storing with fast recall via I2C interface.
- Bass/treble tones and de-emphasis control.
- Selectable high-pass filters for DC blocking.
- Advanced AM interference frequency switching and noise suppression modes.
- Sub channel mix into left and right channels.
- Selectable high- or low-bandwidth noise-shaping topologies.



## 1. General ICs Information (continued)

- Selectable clock input ratio.
- 96-kHz internal processing sample rate.
- Thermal overload and short-circuit protection technology
- Video apps: 576 x fs input mode supported.

### • IC 2702: Headphone Amplifier.

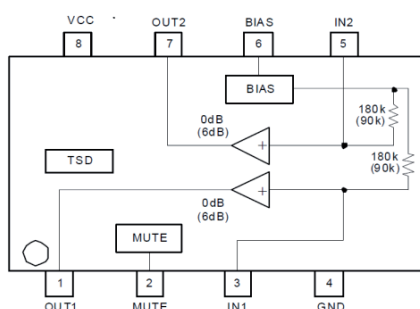
Part number: BH3547-E2

Sharp code : VHIBH3547F+-1L.

<http://www.rohm.com/products/databook/audio/bh3541f-e.pdf>

<http://www.datasheetarchive.com/BH3541F-datasheet.html>

BH3547F is a headphone amplifier suitable for portable products and includes a fixed gain of 6dB. Also it has mute functions that make it easy to prevent pop noise when power supply turns on/off. Moreover, thermal shutdown function is built-in. Additionally, the BH3547F can drive 16/32Ω loads.



( ) are BH3544F, BH3547F, BH3548F values.

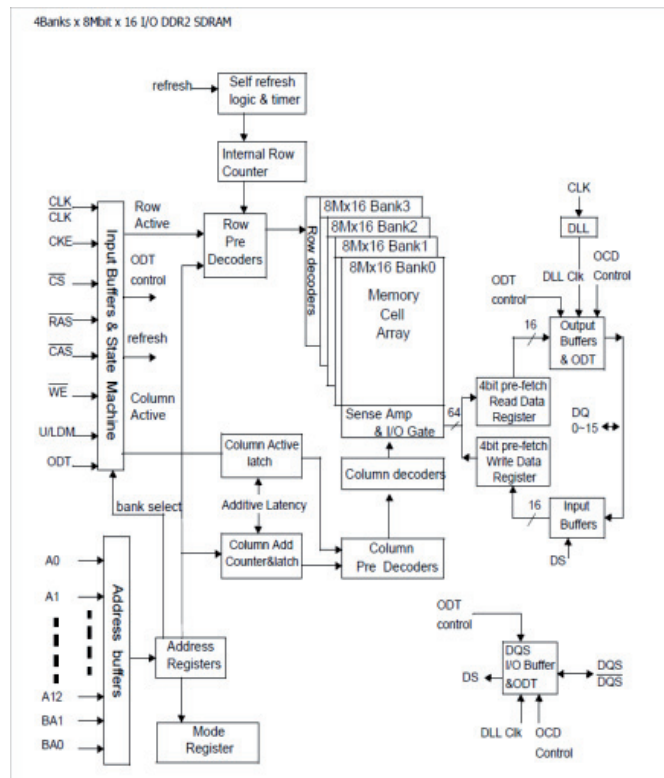
### • IC 3601 : DDRII FRC

Part number: H5PS5162GFR-G7C

Sharp code: RH-IXD504WJQZQ

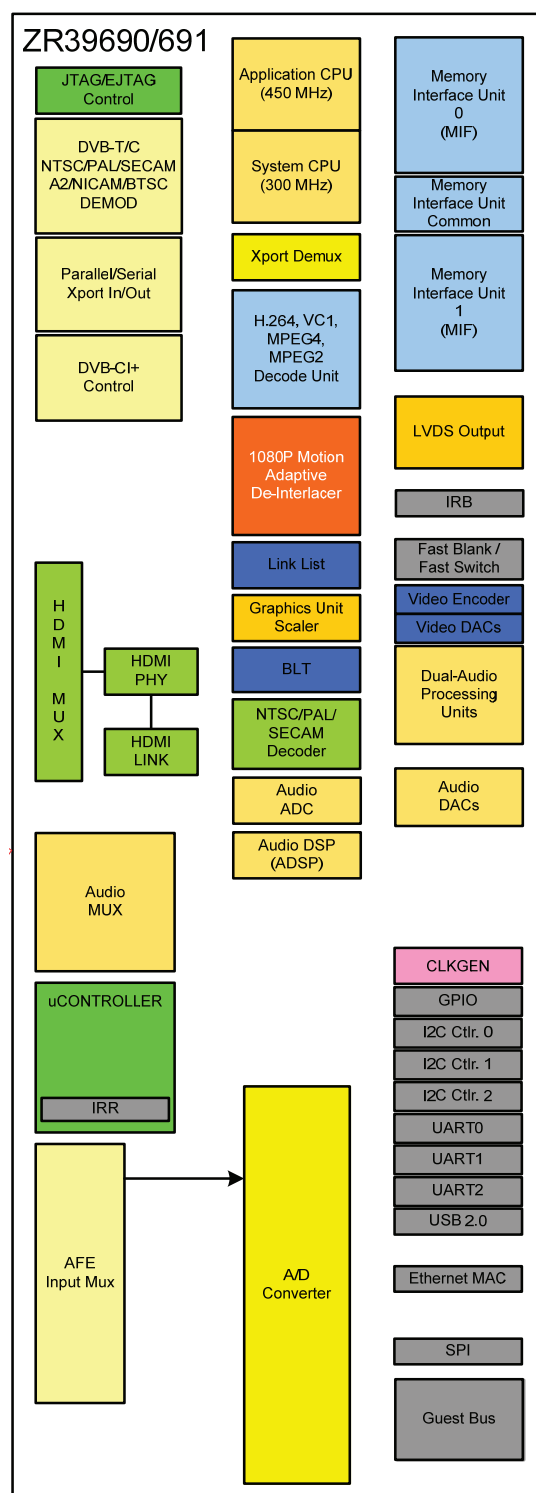
[http://www.hynix.com/products/graphics/view.jsp?info\\_ramKind=18&info\\_serialNo=H5PS5162FFR&posMap=EOL](http://www.hynix.com/products/graphics/view.jsp?info_ramKind=18&info_serialNo=H5PS5162FFR&posMap=EOL)

- VDD/VDDQ= 2.0V +/- 0.1V(600/500 MHz)
- VDD/VDDQ= 1.8V +/- 0.1V(500/400 MHz)
- All inputs and outputs are compatible with SSTL\_18 interface
- Fully differential clock inputs (CK, /CK) operation
- Double data rate interface
- Source synchronous-data transaction aligned to bidirectional data strobe (DQS, DQS)
- Differential Data Strobe (DQS, DQS)
- Data outputs on DQS, DQS edges when read (edged DQ)
- Data inputs on DQS centers when write(centered DQ)
- On chip DLL align DQ, DQS and DQS transition with CK transition
- DM mask write data-in at the both rising and falling edges of the data strobe
- All addresses and control inputs except data, data strobes and data masks latched on the rising edges of the clock
- Programmable CAS latency from 3 to 7 supported
- Programmable additive latency 0, 1, 2, 3, 4, 5 and 6 supported
- Programmable burst length 4/8 with both nibble sequential and interleave mode
- Internal four bank operations with single pulsed RAS
- Auto refresh and self refresh supported
- tRAS lockout supported
- 8K refresh cycles /64ms
- JEDEC standard 84ball FBGA(x16)
- Full strength driver option controlled by EMRS
- On Die Termination supported
- Off Chip Driver Impedance Adjustment supported
- Self-Refresh High Temperature Entry
- High Temperature Self Refresh rate supported
- Average Refresh Period 7.8us at lower than Tcase 85°C, 3.9us at 85°C<Tcase<95°C



## 1. General ICs Information (continued)

- **IC 3301:** SOC SupraHD691  
Part number: ZR39691HGCG-X  
Sharp code: RH-IXD425WJZZQ.
- **Integrated Digital & Analog Demodulator**  
DVB-T/DVB-C.  
NTSC/PAL/SECAM.  
NICAM/A2/BTSC/FM/AM.
- **Integrated Digital & Analog Demodulator**  
NTSC/PAL/SECAM video decoder.  
Multiformat H.264/ MPEG-4/VC1/MPEG-2/AVS/RM/DivX/Xvid decoder.  
3D video processing (SupraHD® 691 only).  
10-bit video processing.  
1080i motion-adaptive de-interlacer.  
ACM-2D color processor.  
Graphics blending/overlay.  
Audio DSP, dual-stream audio decoding.
- **System Processors & Interfaces**  
450MHz application CPU.  
300MHz system CPU.  
TV microcontroller for standby mode.  
Integrated Ethernet MAC.  
USB 2.0.  
DVB CI/CI+.
- **External SPI Flash Memory: 2-16Mbyte**
- **External NAND Flash Memory: Up to 1Gbit**
- **External DDR2 or DDR3 Required**
- **Package**  
575-ball BGA, 23x23mm2



## 1. General ICs Information (continued)

### • IC 3701 : FRC

Part number: ZR39301BGCG-TRAY

Sharp code: RH-IXD378WJZZQ

- Enable 100/120 Hz panels in any design.
- LCD motion blur reduction.
- Film judder removal.
- Enable 3D polarized/Shutter glass display.
- Frame rate conversion 24 to 50/60 or 100/120, 50/60 to 100/120.
- Other frame rate available (48,72,96,...).
- Automatic cadence detection (3/2,2/2,...).
- Spread spectrum support for DDR2 and LVDS with integrated 3D formatter.
- Black bar detection.
- Low video latency, game mode support.
- True internal 11-bit processing on 4:4:4 color space.
- Overdrive.
- LED local dimming processor direct and edge with pixel compensation.
- Dual LVDS input, quad LVDS output.
- Single HS LVDS input and Dual HS LVDS output.
- VbyOneHS output.
- 16-bit DDR2/3-1066Mbit interface.
- Power
  - 1.2V core voltage, 1.8V or 1.5V Memory, 2.5/3.3V I/O
- Packaging
  - BGA package 23x23 mm Plastic Ball Grid Array package
  - 328 balls
  - Fully-Green.

### • IC 3501 & IC 3502 : DDR3 SDRAM

Part number: K4B2G1646C-HCH9

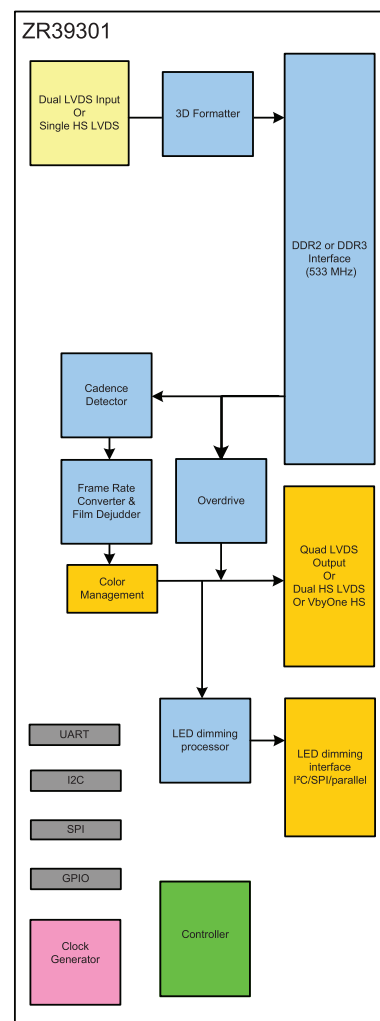
Sharp code: RH-IX242WJQZQZ

[http://www.samsung.com/global/system/business/semiconductor/product/2009/1/13/925951ds\\_k4b2gxx46b\\_rev10.pdf](http://www.samsung.com/global/system/business/semiconductor/product/2009/1/13/925951ds_k4b2gxx46b_rev10.pdf)

The 2Gb DDR3 SDRAM B-die is organized as a 32Mbit x 4 I/Os x 8banks, 16Mbit x 8 I/Os x 8banks or 8Mbit x 16 I/Os x 8 banks device. This synchronous device achieves high speed double-data-rate transfer rates of up to 1600Mb/sec/pin (DDR3-1600) for general applications. The chip is designed to comply with the following key DDR3 SDRAM features such as posted CAS, Programmable CWL, Internal (Self) Calibration, On Die Termination using ODT pin and Asynchronous Reset. All of the control and address inputs are synchronized with a pair of externally supplied differential clocks. Inputs are latched at the crosspoint of differential clocks (CK rising and CK falling). All I/Os are synchronized with a pair of bidirectional strobes (DQS and DQS) in a source synchronous fashion. The address bus is used to convey row, column, and bank address information in a RAS/CAS multiplexing style.

#### Features:

- JEDEC standard 1.5V  $\pm$  0.075V Power Supply.
- VDDQ = 1.5V  $\pm$  0.075V.
- 400 MHz fCK for 800Mb/sec/pin, 533MHz fCK for 1066Mb/sec/pin, 667MHz fCK for 1333Mb/sec/pin, 800MHz fCK for 1600Mb/sec/pin.
- 8 Banks.
- Posted CAS.
- Programmable CAS Latency(posted CAS): 6, 7, 8, 9, 10.
- Programmable Additive Latency: 0, CL-2 or CL-1 clock.
- Programmable CAS Write Latency (CWL) = 5 (DDR3-800), 6 (DDR3-1066), 7 (DDR3-1333) and 8 (DDR3-1600).
- 8-bit pre-fetch.
- Burst Length: 8 (Interleave without any limit, sequential with starting address "000" only), 4 with tCCD = 4 which does not allow seamless read or write [either On the fly using A12 or MRS].
- Bi-directional Differential Data-Strobe.
- Internal(self) calibration : Internal self calibration through ZQ pin (RZQ : 240 ohm  $\pm$  1%).
- On Die Termination using ODT pin.
- Average Refresh Period 7.8us at lower than TCASE 85°C, 3.9us at 85°C < TCASE < 95 °C.
- Asynchronous Reset.
- Package : 96 balls FBGA - x16.



### 1. General ICs Information (continued)

- **IC8401: NAND FLASH**

Part number: MT29F1G08ABADAWP:D

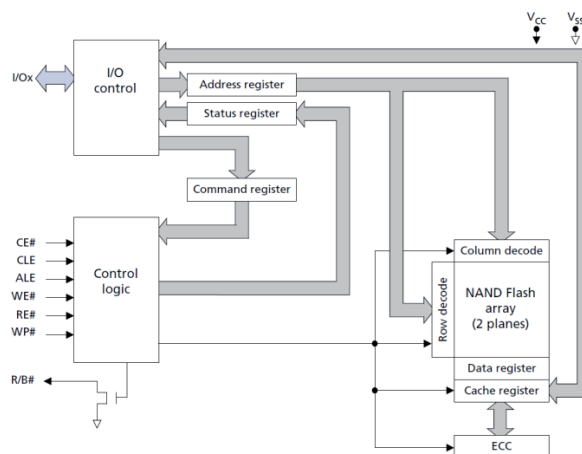
Sharp code: RH-IXD352WJZZQ

<http://datasheet.elcodis.com/pdf2/64/96/649636/mt29f1g08abadawp-itd.pdf>

Micron NAND Flash devices include an asynchronous data interface for high-performance I/O operations. These devices use a highly multiplexed 8-bit bus (I/Ox) to transfer commands, address, and data. There are five control signals used to implement the asynchronous data interface: CE#, CLE, ALE, WE#, and RE#. Additional signals control hardware write protection and monitor device status (R/B#).

This hardware interface creates a low pin-count device with a standard pinout that remains the same from one density to another, enabling future upgrades to higher densities with no board redesign. A target is the unit of memory accessed by a chip enable signal. A target contains one or more NAND Flash die. A NAND Flash die is the minimum unit that can independently execute commands and report status. A NAND Flash die, in the ONFI specification, is referred to as a logical unit (LUN). There is at least one NAND Flash die per chip enable signal. For further details, see Device and Array Organization.

This device has an internal 4-bit ECC that can be enabled using the GET/SET features.



- **IC9501:** Single Port 10/100 Fast Ethernet Transceiver

Part number: IP101A LE

Sharp code: RH-IXD309WJZZY

<http://www.icplus.com.tw/Data/Datasheet/IP101A%20LF-DS-R20-20101013.pdf>

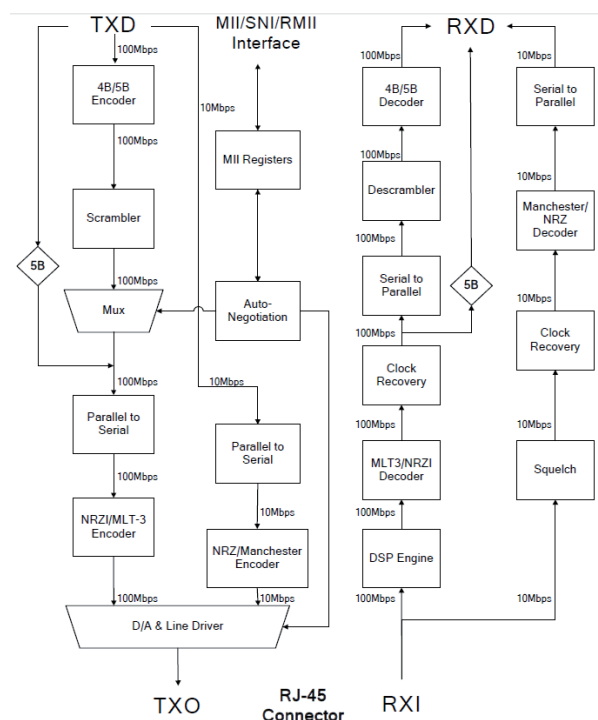
IP101A is an IEEE 802.3/802.3u compliant single-port Fast Ethernet Transceiver for both 100Mbps and 10Mbps operations. It supports Auto MDI/MDIX function to simplify the network installation and reduce the system maintenance cost. To improve the system performance, IP101A provides a hardware interrupt pin to indicate the link, speed and duplex status change. IP101A also provides Media Independent Interface (MII) / Serial Network Interface (SNI) or Reduced Media Independent Interface (RMII) to connect with different types of 10/100Mb Media Access Controller (MAC).

IP101A is designed to use category 5 unshielded twisted-pair cable connecting to other LAN devices.

IP101A Transceiver is fabricated with advanced CMOS technology, which the chip only requires 3.3V as power supply and consumes very low power in the Auto Power Saving mode. IP101A can be implemented as Network Interface Adapter with RJ-45 for twisted-pair connection. It can also be easily implemented into HUB, Switch, Router, Access Point.

### Features:

- 10/100Mbps TX.
- Full-duplex or half-duplex.
- Supports Auto MDI/MDIX function.
- Fully compliant with IEEE 802.3/802.3u.
- Supports IEEE 802.3u auto-negotiation.
- Supports MII / RMI / SNI interface.
- IEEE 802.3 full duplex control specification.
- Supports Automatic Power Saving mode.
- Supports BaseLine Wander (BLW) compensation.
- Supports Interrupt function.
- Supports repeater mode.
- Single 3.3V power supply with built-in 2.5V regulator.
- DSP-based PHY Transceiver technology.
- Using either 25MHz crystal or 50MHz oscillator REF\_CLK as clock source.
- Flexible LED display for speed, duplex, link, activity and collision.
- Supports flow control to communicate with other MAC through MDC and MDIO.
- 0.25μ,CMOS technology.
- 48-pin LQFP.



### 1. General ICs Information (continued)

- **IC9551:** Adjustable Current Limited Load Switch with Fault Flag (USB1).

Part number: AAT4614IGU-2-T1

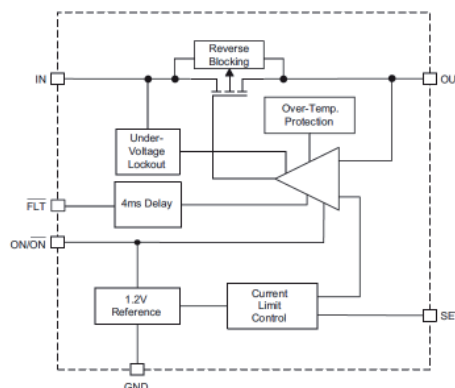
Sharp code: RH-IXD187WJZZY

<http://www.google.se/url?q=http://www.analogictech.com/uploads/download.php%3Ftype%3Ddatasheet%26PID%3D156&sa=U&ei=VGjcTuL9B8XQ4QT0q4z5DQ&ved=0CB0QFjAG&usq=AFOjCNEvvSA3IeYT7JGdgULPfcR6e0FVg>

The AAT4614 SmartSwitch is a current limited P-channel MOSFET power switch designed for high side load switching applications. This switch operates with inputs ranging from 2.4V to 5.5V, making it ideal for both 3V and 5V systems. An integrated current-limiting circuit protects the input supply against large currents which may cause the supply to fall out of regulation. Reverse current blocking is provided to protect the load switch from reverse current potentials while the device is shutdown.

The AAT4614 is also protected from thermal overload which is limited by power dissipation and junction temperatures. Current limit threshold is programmed with a resistor from SET to ground and may be adjusted for levels up to 1.4A. The ultra-fast current limit response to a sudden short circuit is a mere 1μs which reduces the requirements of local supply bypassing. An open drain FAULT flag signals an over-current or over-temperature condition after a 4ms blanking time to prevent false reporting. Quiescent current is a low 10μA and the supply current decreases to less than 1μA in shutdown mode.

The AAT4614 is offered in the 8-pin SC70JW, SOT23-6 and SOT23-5 packages, and is specified for operation over the -40°C to +85°C ambient temperature range.



## Features.

- Input Voltage Range: 2.4V to 5.5V.
- Programmable Over-Current Threshold.
- Fast Transient Response:
  - 1μs Response to Short Circuit.
- Low Quiescent Current.
  - 10μA Typical while Enabled.
  - 1μA Max with Switch Off (TA = 25°C).
- 160mΩ Typical RDS(ON).
- Only 2.4V Needed for ON/OFF Control.
- Under-Voltage Lockout.
- Reverse Blocking During Disable.
- 4ms Fault Blanking.
- Fault Flag Open Drain Output (Not Available for SOT23-5 Package).
- Active Hi/Lo Enable Options.
- Over-Temperature Protection.
- 4kV ESD Rating.
- 6-Pin SOT23, 5-Pin SOT23, or 8-Pin SC70JW.

- **IC9552:** USB 2.0 Hi-Speed Hub Controller

Part number: USB2514B-AEZG

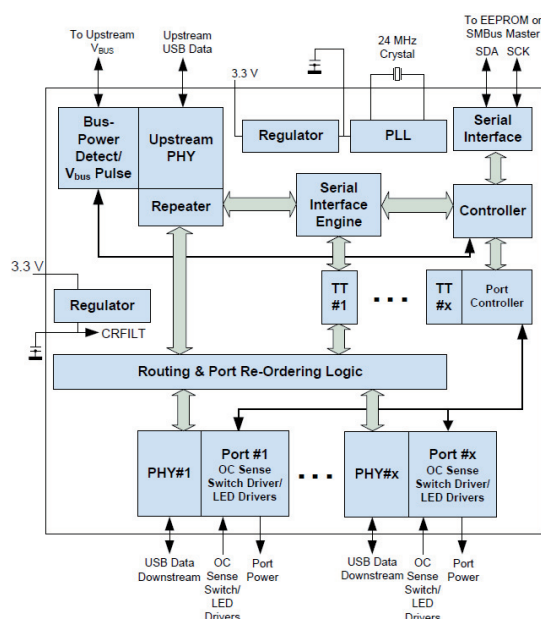
Sharp code: VHI2514BAEZ-10

<http://pdf1.alldatasheet.com/datasheet-pdf/view/312076/SMSC/USB214B-AEZG.html>

The SMSC USB251x hub is a family of low-power, OEM configurable, MTT (multi transaction translator) hub controller IC products for embedded USB solutions. The “x” in the part number indicates the number of downstream ports available. The SMSC hub supports low-speed, full-speed, and hi-speed (if operating as a hispeed hub) downstream devices on all of the enabled downstream ports.

## Features

- Full power management with individual or ganged power control of each downstream port.
- Fully integrated USB termination and pull-up/pulldown resistors.
- Supports a single external 3.3 V supply source; internal regulators provide 1.2 V or 1.8 V internal core voltage.
- On-chip driver for 24 MHz crystal resonator or external 24/48 MHz clock input.





## 1. General ICs Information (continued)

- Customizable vendor ID, product ID, and device ID.
- ESD protection up to 4 kilovolts on all USB pins.
- Supports self- or bus-powered operation.
- USB251xB2 and USB251xBi products support the USB Battery Charging specification.
- Package: 36-pin QFN (6x6 mm).

### • IC9553: Low Dropout LDO (USB2)

Part number: S-1170B50UC-OIJTFG

Sharp code: VHIS170B50U-1Y

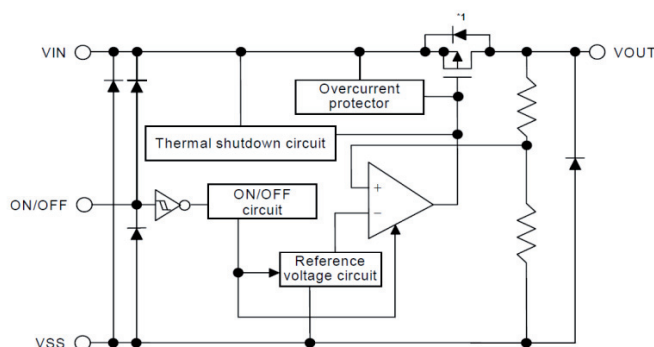
[http://datasheet.sii-ic.com/en/voltage\\_regulator/S1170\\_E.pdf](http://datasheet.sii-ic.com/en/voltage_regulator/S1170_E.pdf)

The S-1170 Series is a positive voltage regulator with a low dropout voltage (LDO), high output voltage accuracy, and low current consumption developed based on CMOS technology.

A built-in low on-resistance transistor provides a low dropout voltage and large output current, a built-in overcurrent protector prevents the load current from exceeding the current capacitance of the output transistor, and a built-in thermal shutdown circuit prevents damage caused by the heat. An ON/OFF circuit ensures a long battery life. Compared with the voltage regulators using the conventional CMOS process, a larger variety of capacitors are available, including small ceramic capacitors. Small SOT-89-5 and 6-Pin HSON(A) packages realize high-density mounting.

### Features

- Output voltage: 1.5 V to 5.5 V, selectable in 0.1 V steps.
- High-accuracy output voltage:  $\pm 1.0\%$ .
- Low dropout voltage (LDO): 120 mV typ. (3.0 V output product,  $I_{out} = 300$  mA).
- Low current consumption: During operation 80  $\mu$ A typ. 160  $\mu$ A max., During shutdown 0.1  $\mu$ A typ. 1.0  $\mu$ A max.
- High peak current capability: 800 mA output is possible (@  $V_{in} \geq V_{out}(S) + 1.0$  V) \*1
- Built-in ON/OFF circuit: Ensures long battery life.
- Low ESR capacitor can be used: A ceramic capacitor of 4.7  $\mu$ F or more can be used for the output capacitor.
- High ripple rejection: 70 dB typ. (@ 1.0 kHz)
- Built-in overcurrent protector: Overcurrent of output transistor can be restricted.
- Built-in thermal shutdown circuit: Damage caused by heat can be prevented.
- Package: SOT-89-5, 6-pin HSON(A).



\*1. Parasitic diode

### • IC9553: 2Mbit SPI-FLASH Memory

Part number: W25X20BV

Sharp code: RH-IXD084WJZZY

[http://www.winbond.com/NR/rdonlyres/AEC6E481-6616-4555-B339-6E79D17810AC/0/W25X10BV\\_W25X20BV\\_W25X40BV.pdf](http://www.winbond.com/NR/rdonlyres/AEC6E481-6616-4555-B339-6E79D17810AC/0/W25X10BV_W25X20BV_W25X40BV.pdf)

- Single and Dual Serial Peripheral Interface.
- Uniform 4KB erasable sectors & 32KB/64KB erasable blocks.
- 1024 pages (256 bytes), page program in 0.7mS (typ.)
- Fast Read (0Bh), Fast Read Dual Output (3Bh) and Fast Read Dual I/O (BBh) instructions.
- Clock operation up to 104MHz (208MHz equivalent with Fast Read Dual Output).
- 2.7 to 3.6V power supply.
- 4mA active read current, 1 $\mu$ A power down current.
- -40° to +85°C operating range.
- Electronic ID in Single or Dual I/O mode.
- Read Unique ID (4Bh) instruction.
- Hardware and software write protection for top or bottom blocks.

## 1. General ICs Information (continued)

### RUNTKA880WJPA2 (Touch & Led Unit)

#### • U1: 8-Bit Flash Microcontroller

Part number: PIC16F1827

Sharp code: ---

<http://ww1.microchip.com/downloads/en/DeviceDoc/41391D.pdf>

#### High-Performance RISC CPU:

- Only 49 Instructions, including 14 new “C compiler-friendly” Instructions.
- Operating Speed:
  - DC – 32 MHz clock input
  - DC – 125 ns instruction cycle
- Interrupt Capability with Automatic Context Saving.
- 16-Level Deep Hardware Stack with Optional Overflow/Underflow Reset.
- Direct, Indirect and Relative Addressing modes:
  - Two full 16-bit File Select Registers (FSRs).

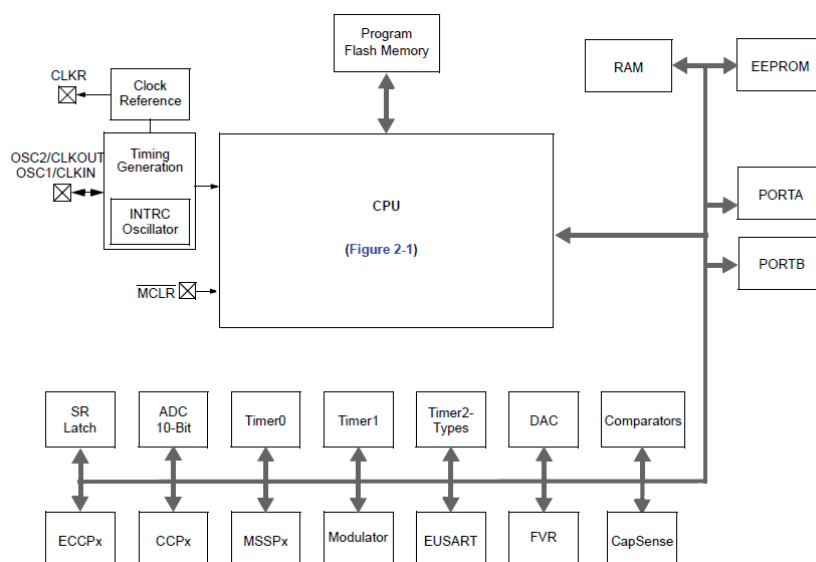
- FSRs can read program and data memory.

#### Special Microcontroller Features:

- Precision Internal Oscillator:
  - Factory calibrated to  $\pm 1\%$ , typical.
  - Software selectable frequency range from 32 MHz to 31 kHz.
- 31 kHz Low-Power Internal Oscillator.
- External Oscillator Block with:
  - 4 crystal/resonator modes up to 32 MHz using 4xPLL.
  - 3 external clock modes up to 32 MHz.
- 4x Phase Locked Loop (PLL).
- Fail-Safe Clock Monitor.
- Two-Speed Start-up.
- Power-Saving Sleep mode.
- Power-on Reset (POR).
- Power-up Timer (PWRT).
- Oscillator Start-up Timer (OST).
- Brown-out Reset (BOR) with Selectable Trip Point.
- Extended Watch-Dog Timer (WDT).
- In-Circuit Serial Programming™ (ICSP™).
- In-Circuit Debug (ICD).
- Enhanced Low-Voltage Programming (LVP).
- Operating Voltage Range:
  - 1.8V to 3.6V (PIC16LF182X).
  - 1.8V to 5.5V (PIC16F182x).
- Programmable Code Protection.
- Self-Programmable under Software Control.

#### Low-Power Features:

- Standby Current (PIC16LF182X):
  - 100 nA @ 1.8V, typical.
- Operating Current (PIC16LF182X):
  - 150 mA @ 1 MHz, 1.8V, typical.
- Low-Power Watchdog Timer Current (PIC16LF182X):
  - 1.0 A @ 1.8V, typical





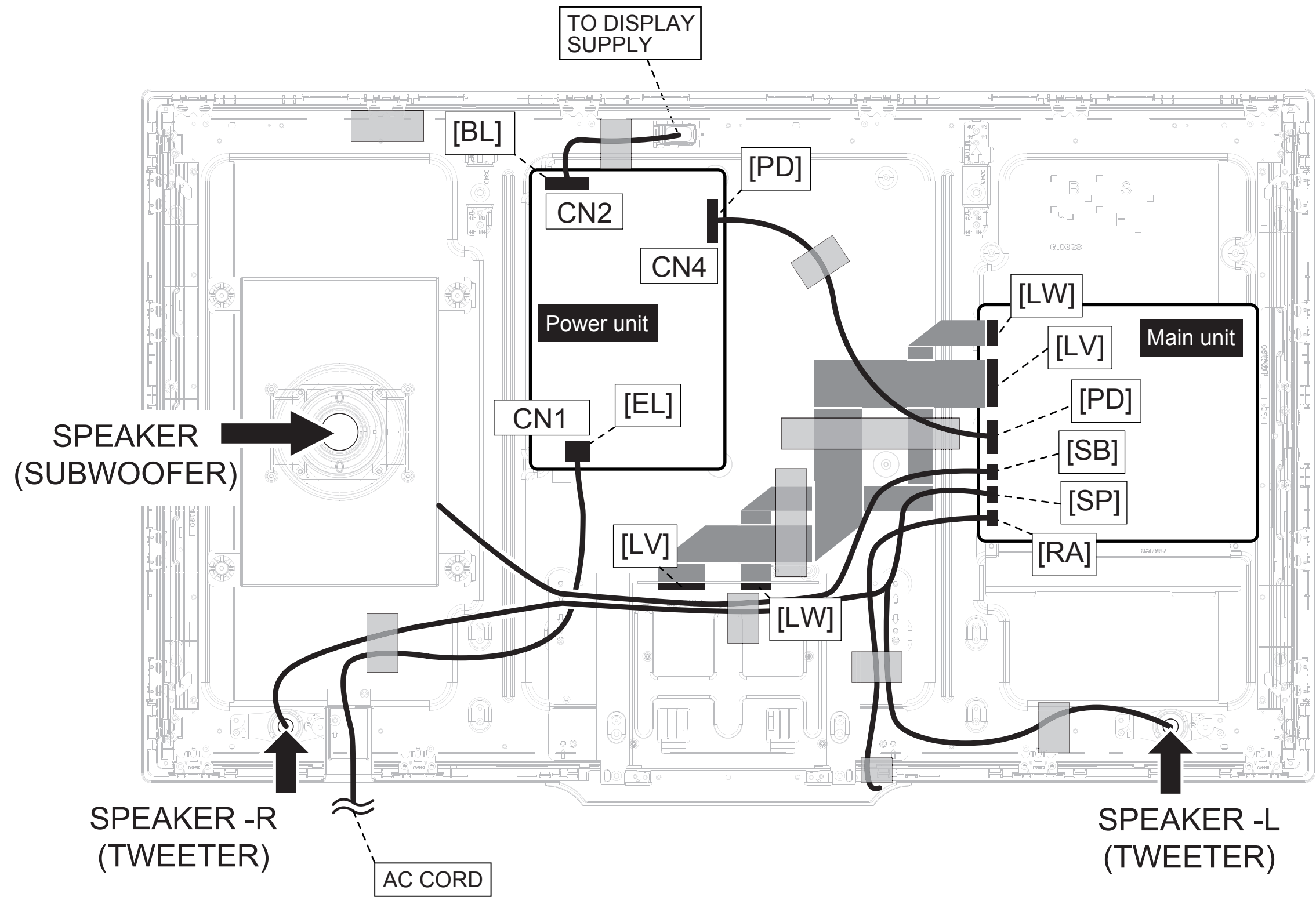
## 1. General ICs Information (continued)

### Peripheral Features:

- Up to 15 I/O Pins and 1 Input-only Pin:
  - High current sink/source for LED drivers.
  - Individually programmable interrupt-on change pins
  - Individually programmable weak pull-ups.
- Timer0: 8-Bit Timer/Counter with 8-Bit Programmable Prescaler.
- Enhanced Timer1:
  - 16-bit timer/counter with prescaler.
  - External Gate Input mode.
  - Dedicated low-power 32 kHz oscillator driver.
- Timer 2, 4, 6: 8-Bit Timer/Counter with 8-Bit Period Register, Prescaler and Postscaler.
- Up to two Enhanced Capture, Compare, PWM modules (ECCP):
  - Software selectable time bases.
  - Auto-shutdown and auto-restart.
  - PWM steering.
- Up to two Capture/Compare/PWM modules (CCP):
  - Software selectable time bases.
- Up to two Master Synchronous Serial Port (MSSP) with SPI and I2CTM with:
  - 7-bit address masking.
  - SMBus/PMBus™ compatibility.
- Enhanced Universal Synchronous Asynchronous Receiver Transmitter (EUSART):
  - RS-232, RS-485 and LIN compatible.
  - Auto-Baud Detect.
  - Auto-wake-up on start.
- SR Latch (Integrated 555 Timer):
  - Multiple Set/Reset input options.
- Analog-to-Digital Converter (ADC):
  - 10-bit resolution.
  - Up to 12 channels.
- 2 Comparators:
  - Rail-to-rail inputs.
  - Power mode control.
  - Software controllable hysteresis.
- Voltage Reference module:
  - Fixed Voltage Reference (FVR) with 1.024V, 2.048V and 4.096V output levels.
  - 5-bit rail-to-rail resistive DAC with positive and negative reference selection.
- mTouch™ Sensing oscillator module.
  - Up to 12 channels for button, sensor or slider input.
- Data Signal Modulator module.
  - Select modulator and carrier sources from various module outputs.

OVERALL WIRING DIAGRAMS

40" OVERALL WIRING DIAGRAMS



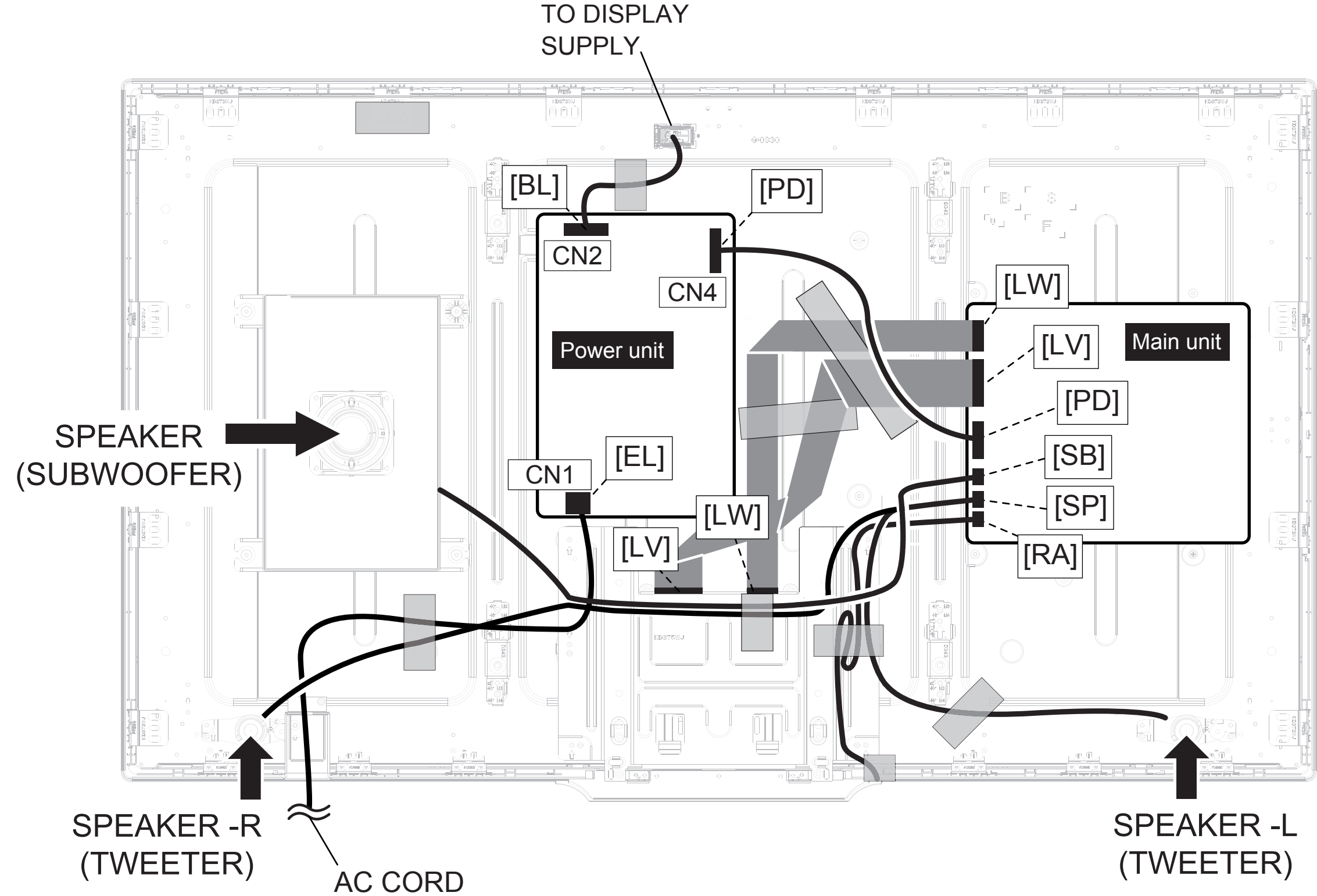
WIRES

|         |               |
|---------|---------------|
| LW      | 310431114481  |
| LV      | 310431115371  |
| PD      | QCNW-M004WJQZ |
| AC CORD | QACCKA058WJPZ |

OTHER

|                   |                |
|-------------------|----------------|
| PANEL             | R1LK400D3LB43A |
| POWER SUPPLY      | RDENCA440WJQZ  |
| MAIN BOARD        | DUNTKF915FM11  |
| SPEAKER TWEETER   | RSP-ZA550WJZZ  |
| SPEAKER SUBWOOFER | RSP-ZA549WJZZ  |

46" OVERALL WIRING DIAGRAMS



WIRES

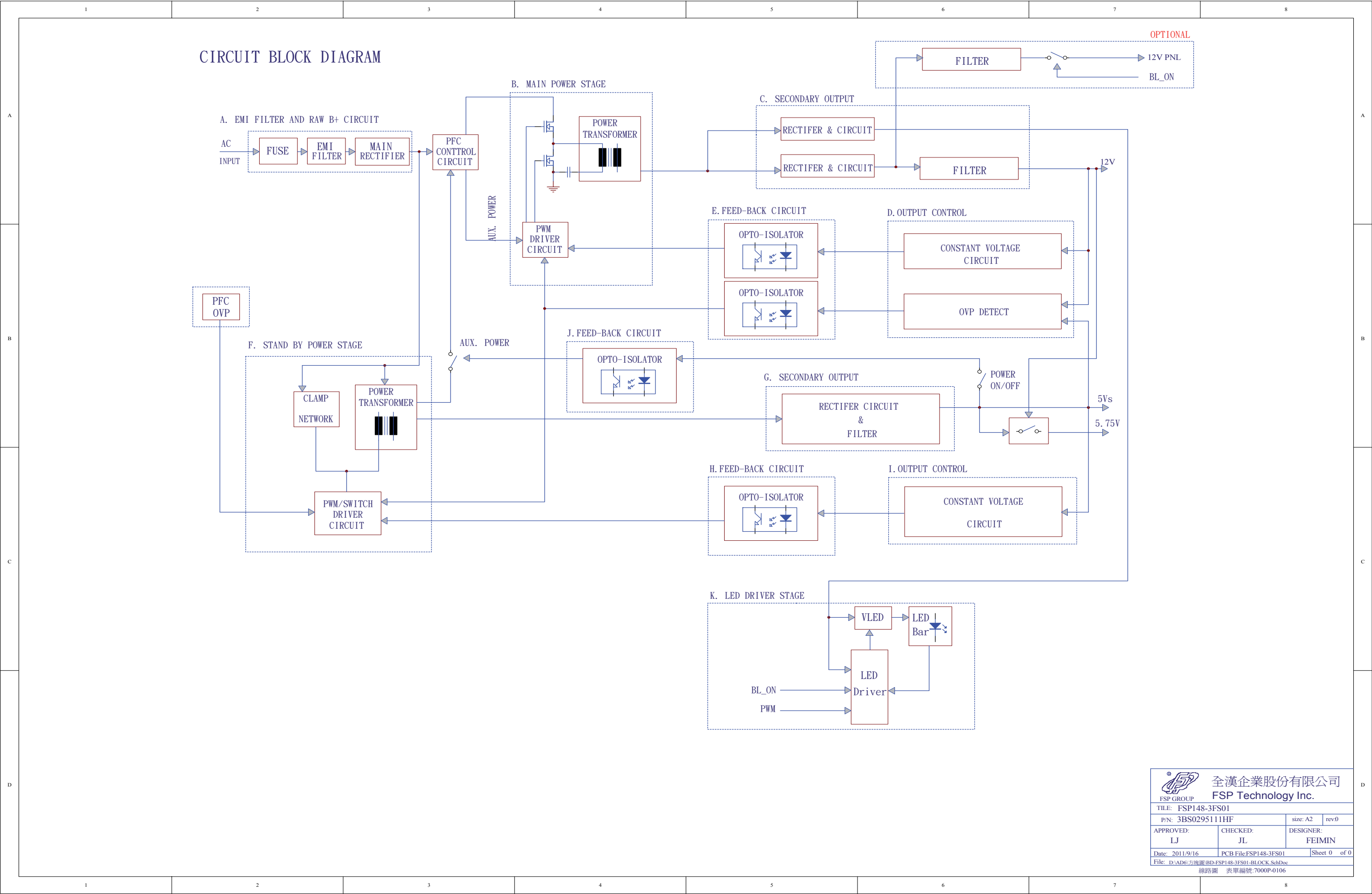
|         |               |
|---------|---------------|
| LW      | 310431114481  |
| LV      | 310431115371  |
| PD      | QCNW-M004WJQZ |
| AC CORD | QACCKA058WJPZ |

OTHER

|                   |                |
|-------------------|----------------|
| PANEL             | R1LK460D3LB33G |
| POWER SUPPLY      | RDENCA440WJQZ  |
| MAIN BOARD        | DUNTKF915FM11  |
| SPEAKER TWEETER   | RSP-ZA550WJZZ  |
| SPEAKER SUBWOOFER | RSP-ZA549WJZZ  |



40"/ 46" POWER UNIT BLOCK DIAGRAM (RDENCA440WJQZ)



|                                                                                       |  |                       |          |                     |              |
|---------------------------------------------------------------------------------------|--|-----------------------|----------|---------------------|--------------|
|  |  |                       |          | 全漢企業股份有限公司          |              |
| FSP GROUP                                                                             |  |                       |          | FSP Technology Inc. |              |
| TITLE: FSP148-3FS01                                                                   |  |                       |          |                     |              |
| P/N: 3BS0295111HF                                                                     |  |                       | size: A2 | rev:0               |              |
| APPROVED:<br>LJ                                                                       |  | CHECKED:<br>JL        |          | DESIGNER:<br>FEIMIN |              |
| Date: 2011/9/16                                                                       |  | PCB File:FSP148-3FS01 |          |                     | Sheet 0 of 0 |
| File: D:\AD6\方塊圖\BD-FSP148-3FS01-BLOCK.SchDoc                                         |  |                       |          |                     |              |
| 線路圖 表單編號:7000P-0106                                                                   |  |                       |          |                     |              |

## SCHEMATIC DIAGRAMS

### Description:

#### VOLTAGE MEASUREMENT CONDITION:

1. The voltages at test points are measured on the stable supply voltage of AC 230V. Signals are fed by a color bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

#### INDICATION OF RESISTOR & CAPACITOR:

##### RESISTOR

1. The unit of resistance “Ω” is omitted. (K=kΩ=1000 Ω, M=MΩ).  
2. All resistors are ± 5%, unless otherwise noted. (J= ± 5%, F= ± 1%, D= ± 0.5%)  
3. All resistors are 1/16W, unless otherwise noted.  
4. All resistors are Carbon type, unless otherwise noted.  
c : Solid                      w : Cement  
s : Oxide Film                T : Special  
N : Metal Coating

##### CAPACITOR

1. All capacitors are μF, unless otherwise noted. (P=pF=μμ F).  
2. All capacitors are 50V, unless otherwise noted.  
3. All capacitors are Ceramic type, unless otherwise noted.  
(ML): Mylar                      (TA): Tantalum  
(PF): Polypro Film              (ST): Styrol

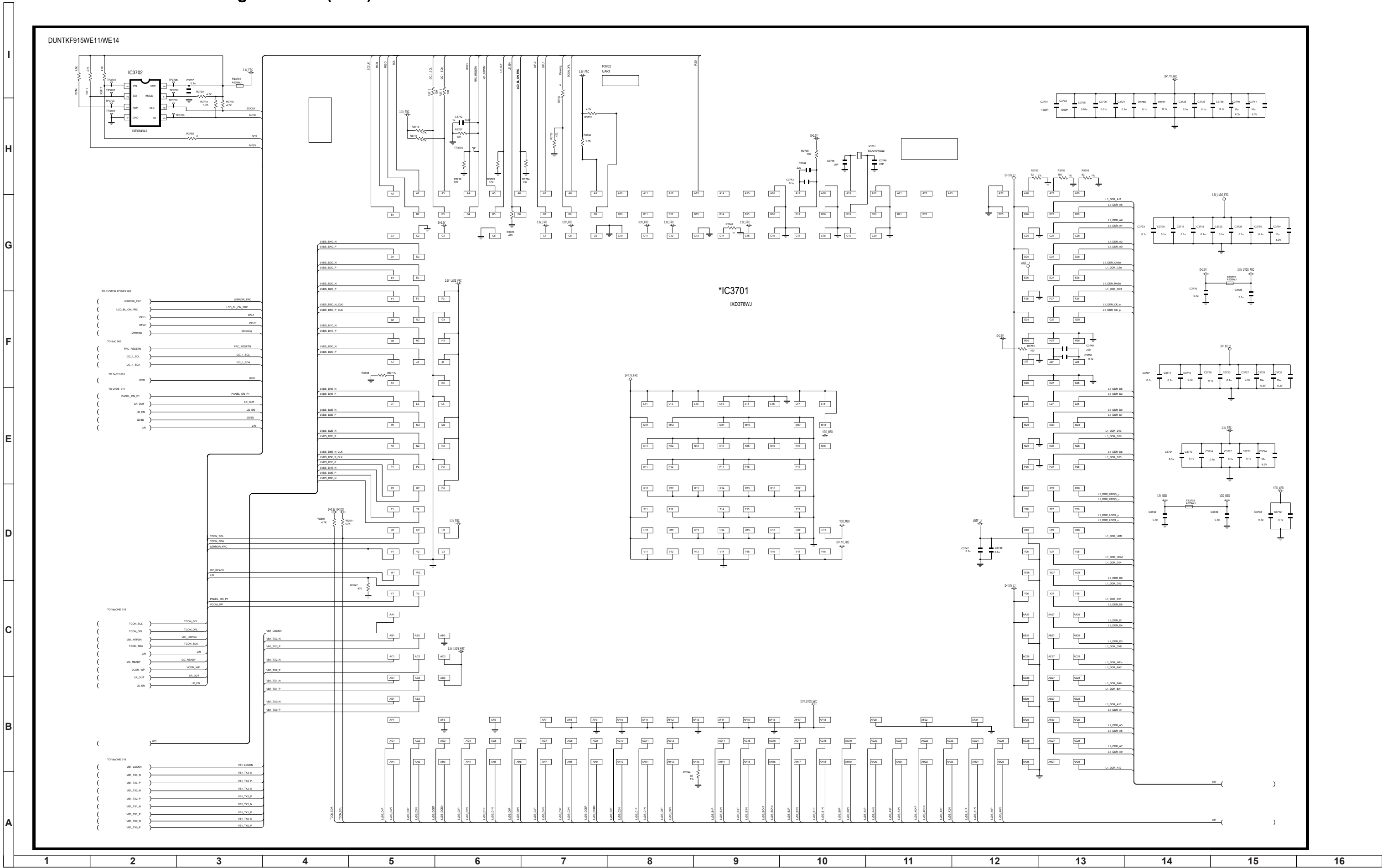
#### CAUTION:

This circuit diagram is original one, therefore there may be a slight difference from yours.

#### IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH “ ” ( ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

40" / 46" Main Unit Diagram 1/17 (FRC)

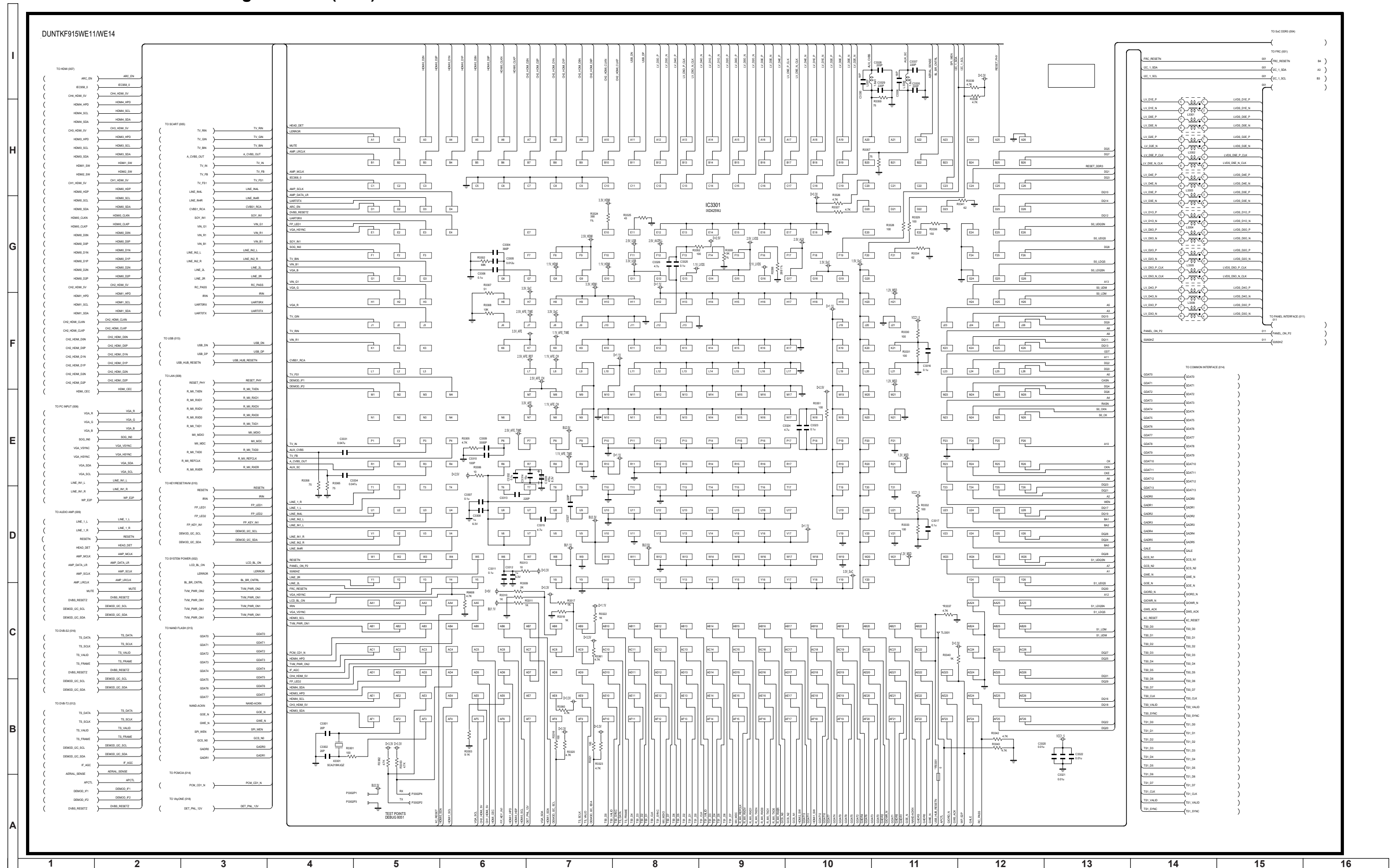


|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|





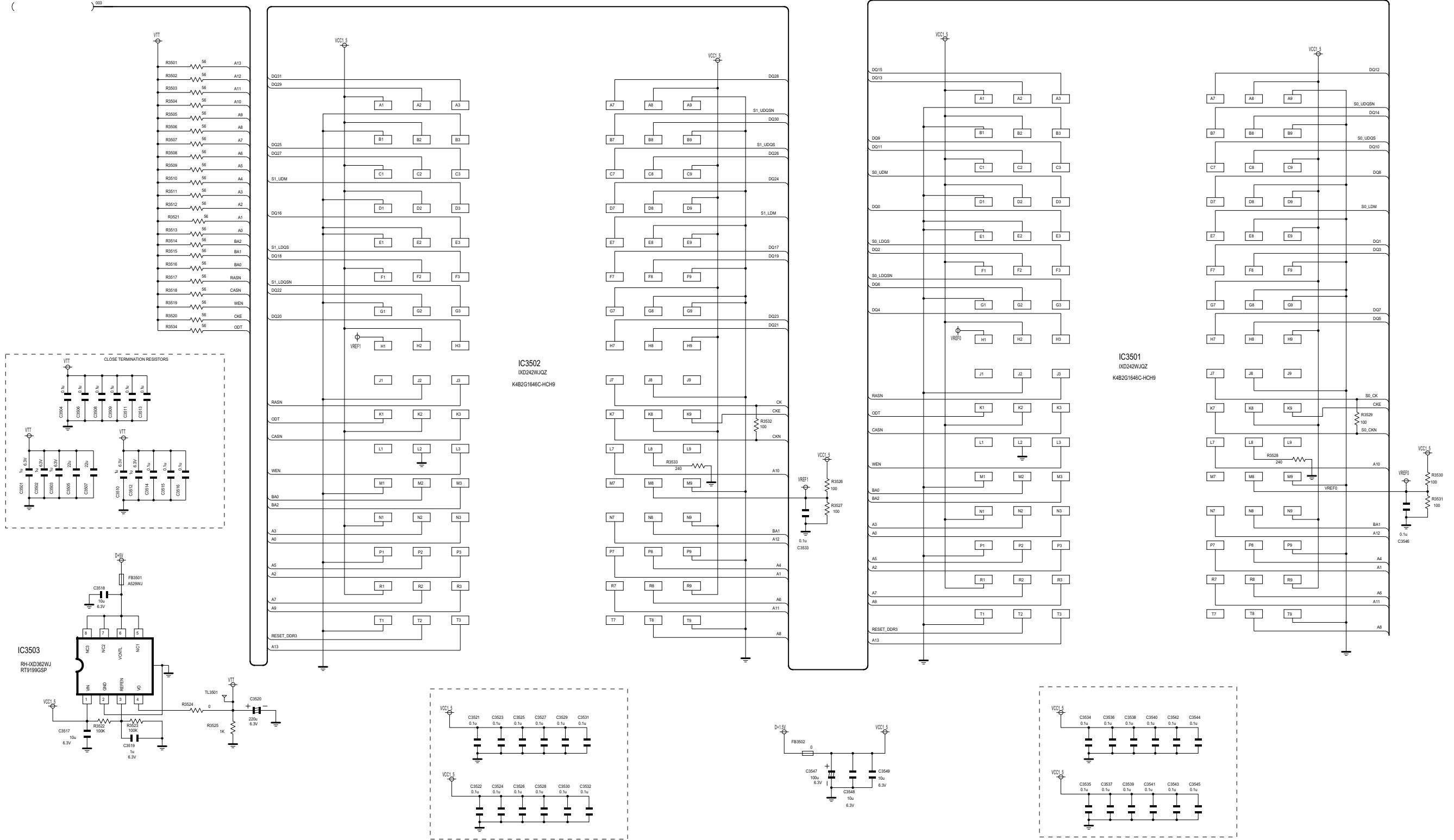
### 40" / 46" Main Unit Diagram 3/17 (SoC)



# 40" / 46" Main Unit Diagram 4/17 (DDR3 BLOCK)

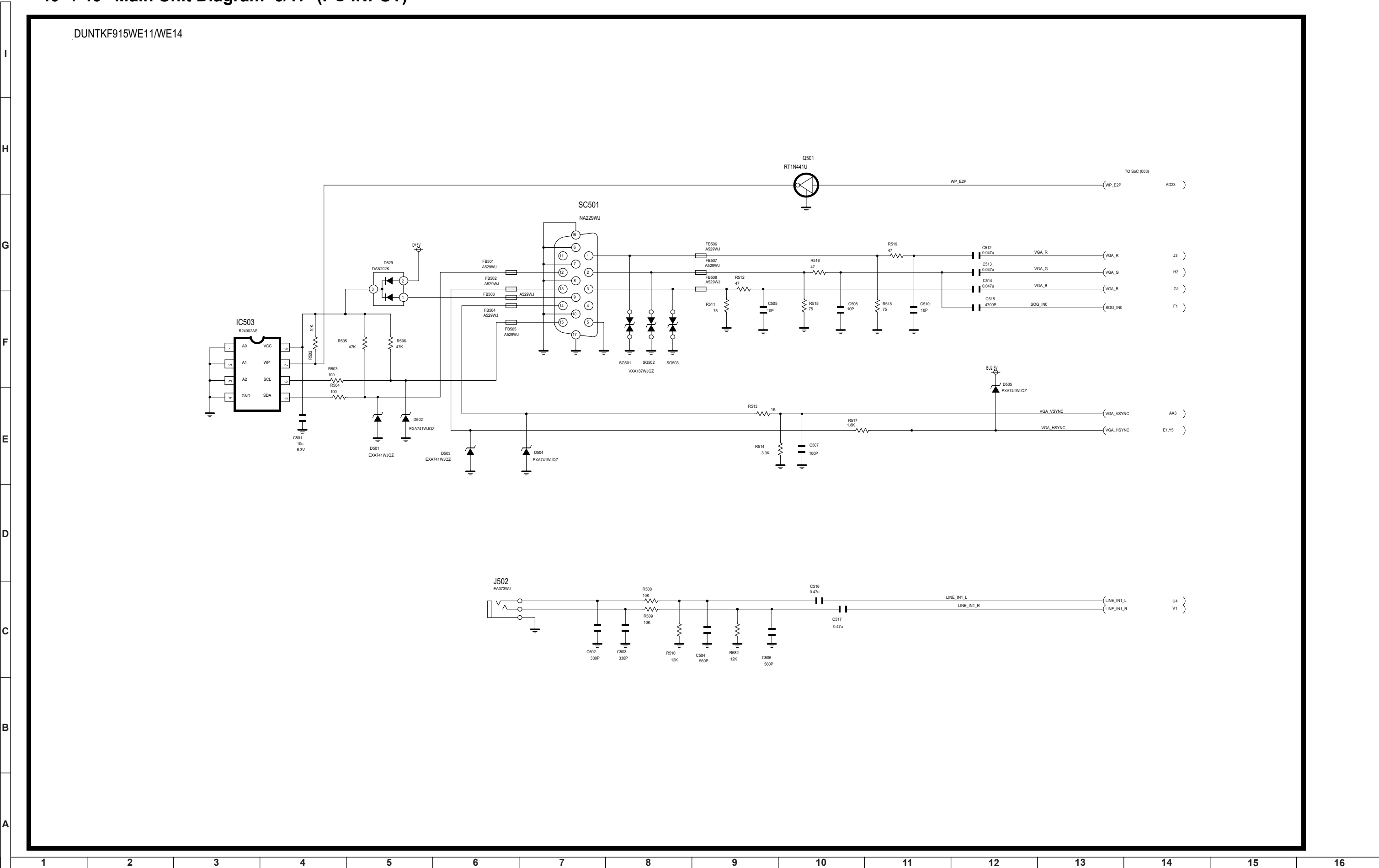
I  
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DDUNTKEF915WE11/WE14

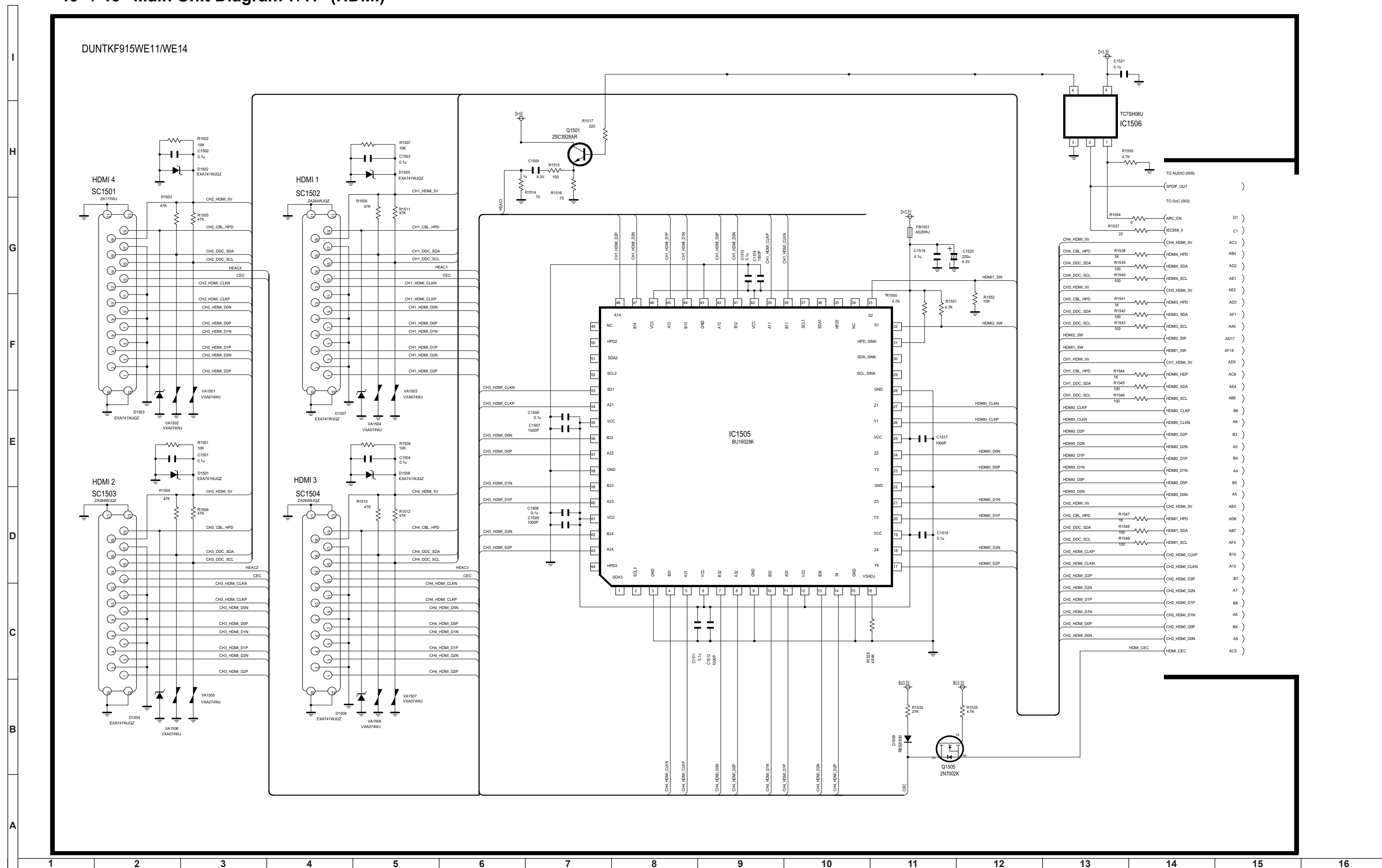




40" / 46" Main Unit Diagram 6/17 (PC INPUT)



### 40" / 46" Main Unit Diagram 7/17 (HDMI)



1

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## G

**F**

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D

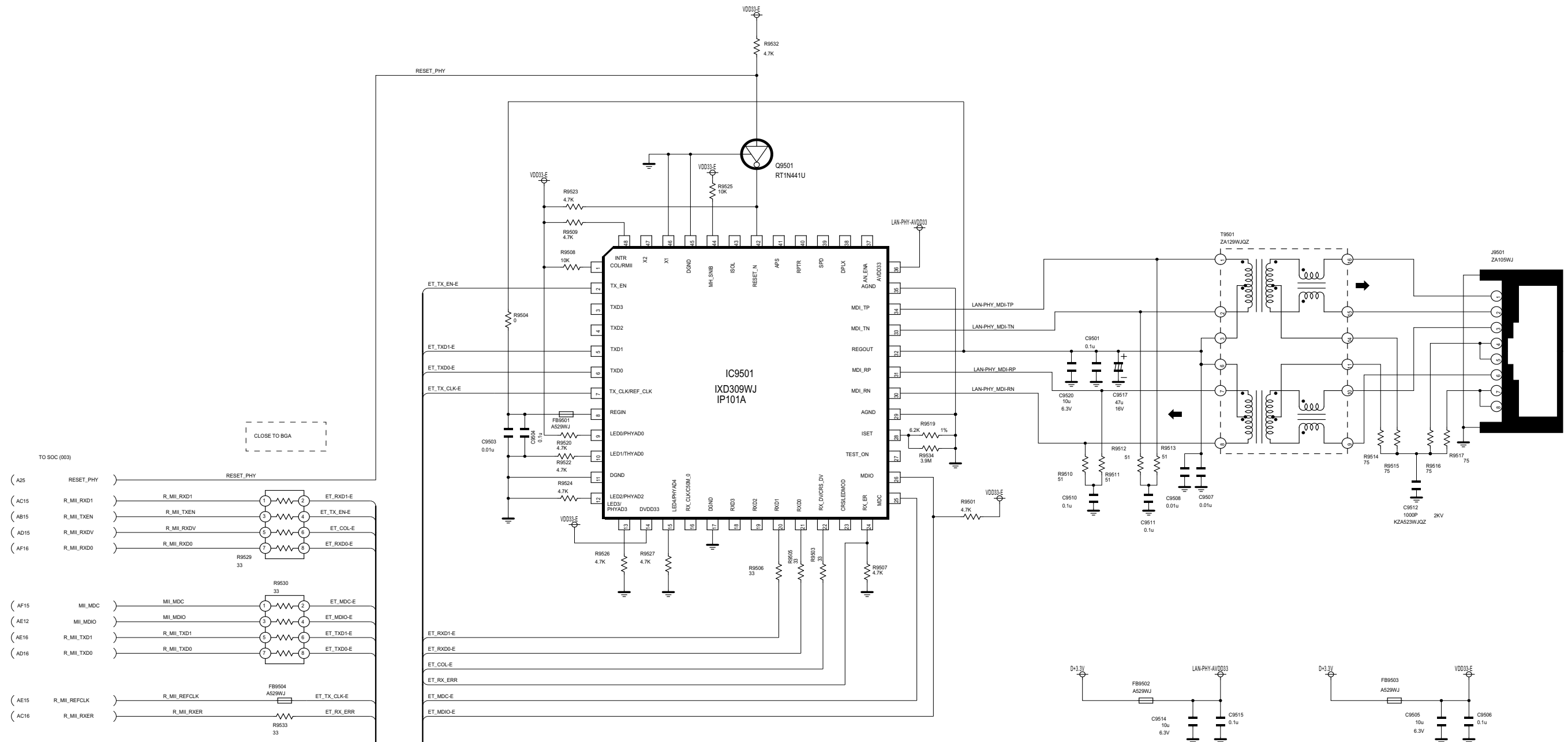
C

**B**

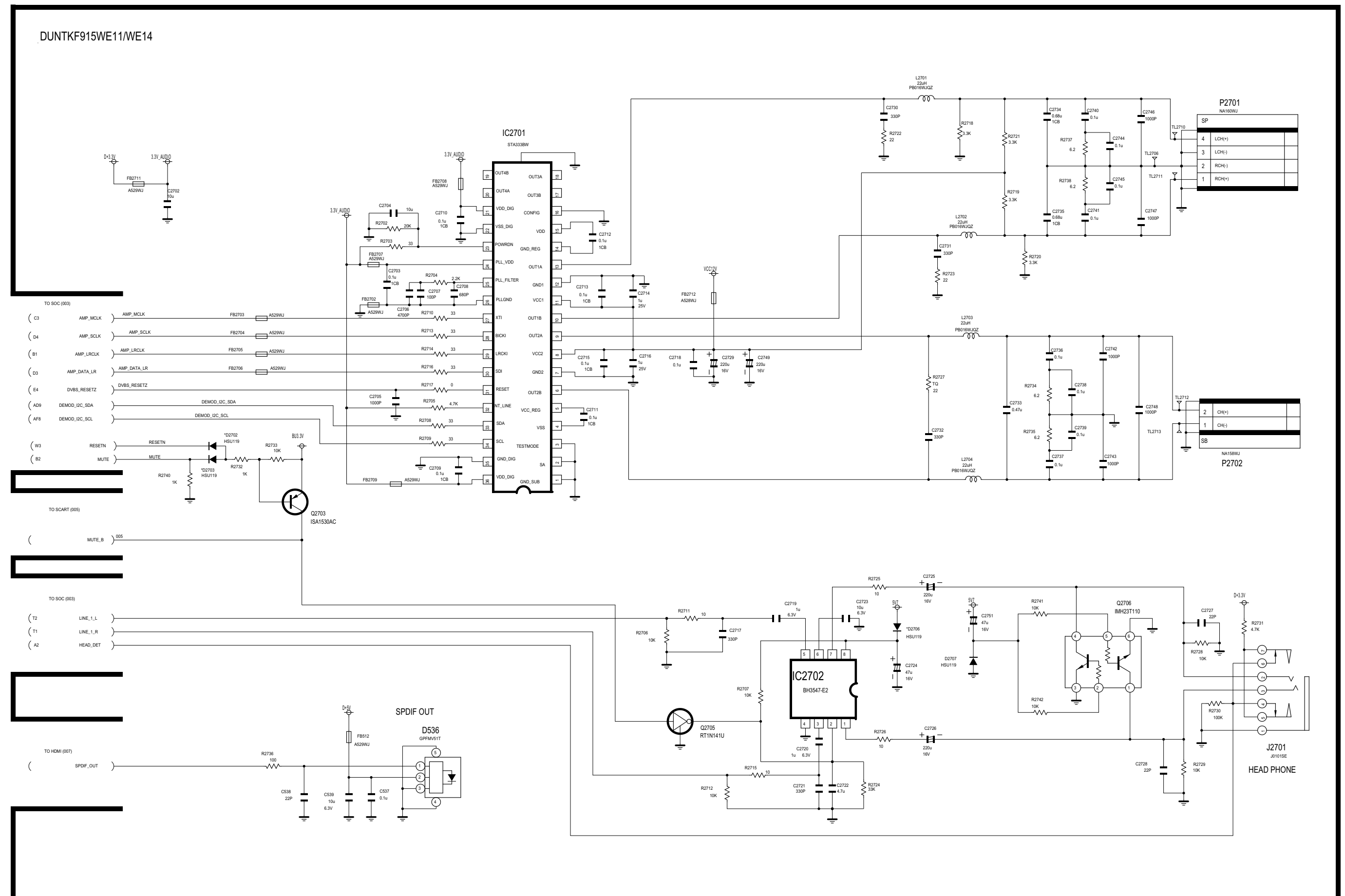
**A**

## 40" / 46" Main Unit Diagram 8/17 (ETHERNET)

DUNTKF915WE11/WE14



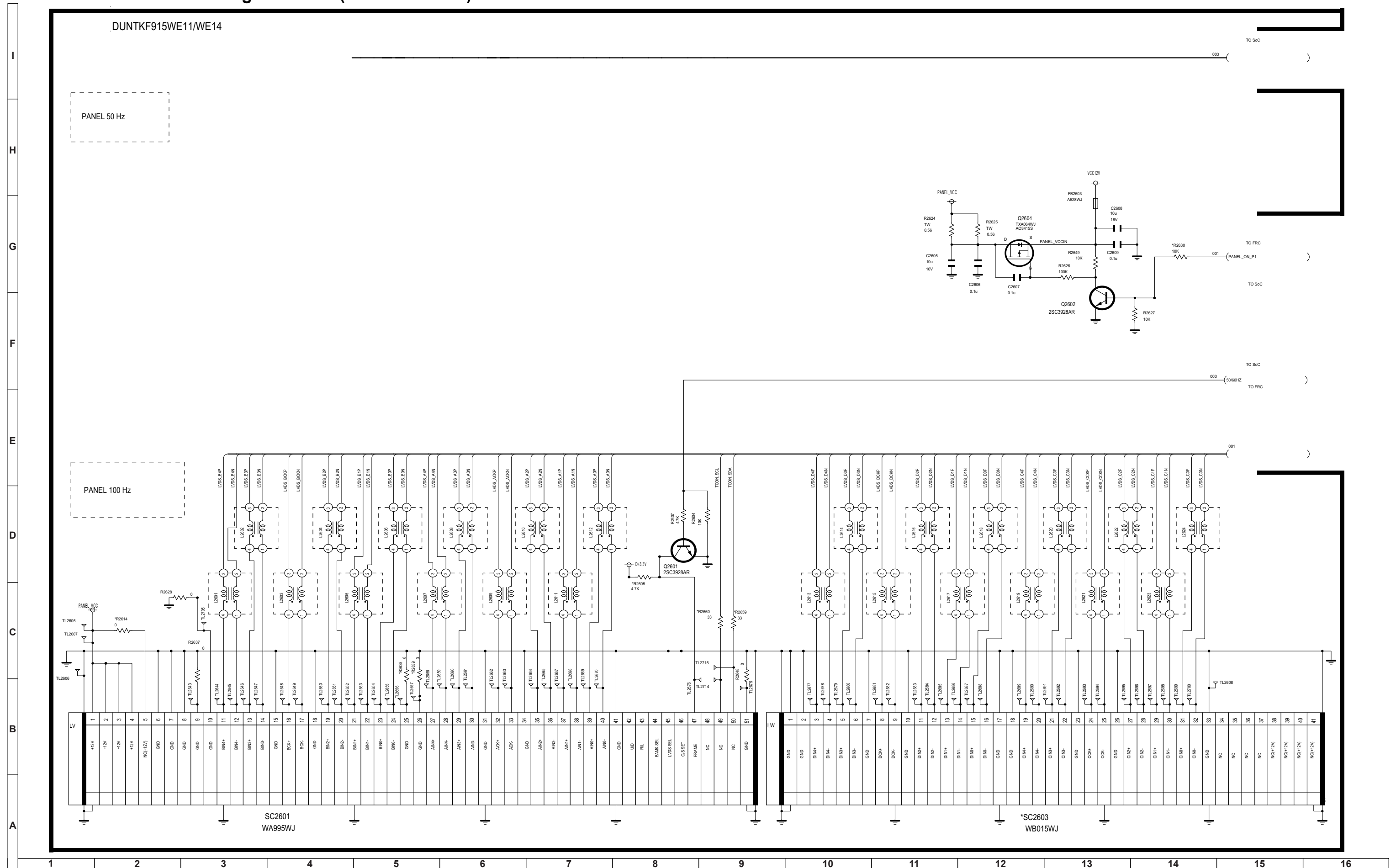
## 40" / 46" Main Unit Diagram 9/17 (Audio Amp. Interface)





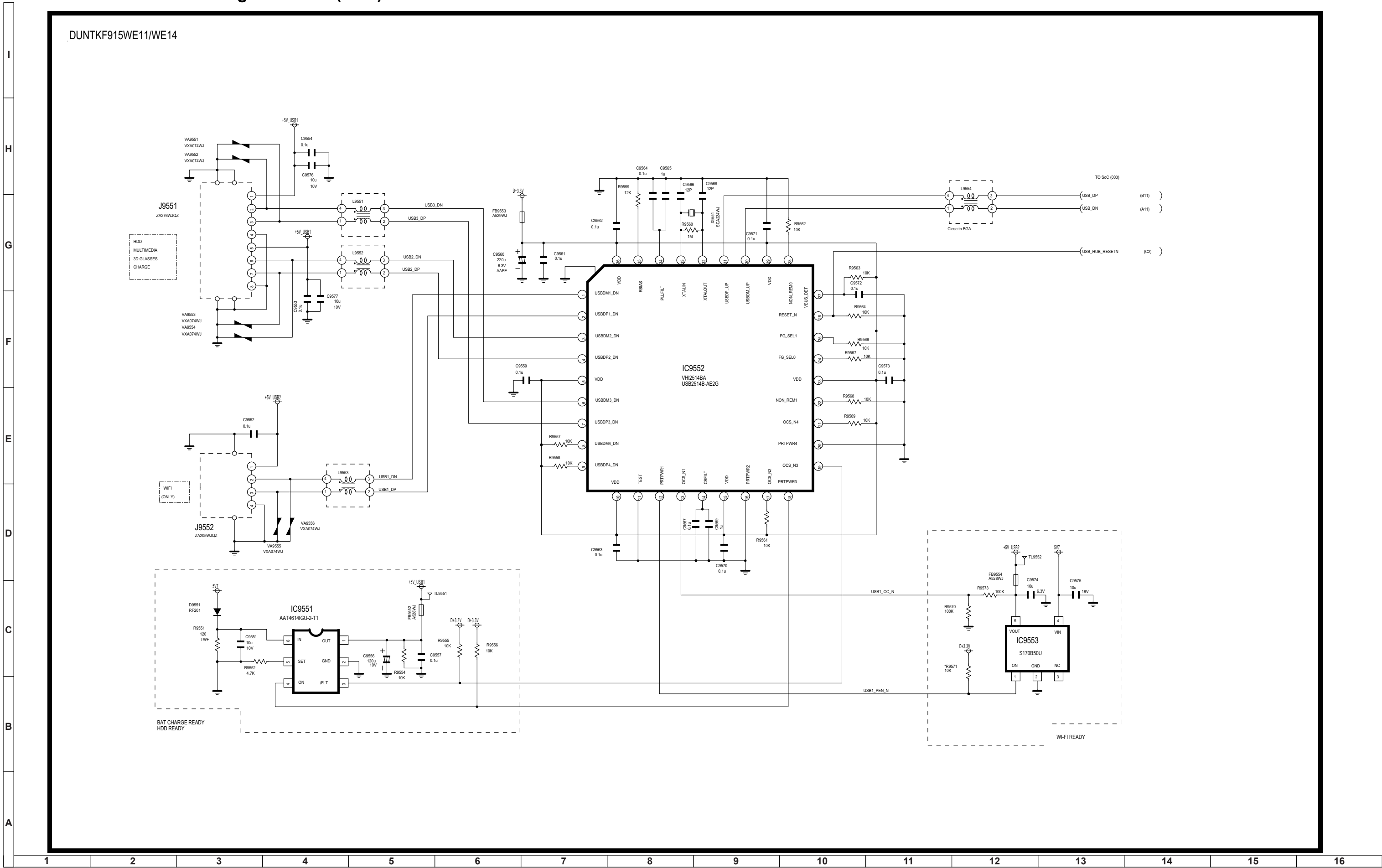


## 40" / 46" Main Unit Diagram 11/17 (Panel Interface)

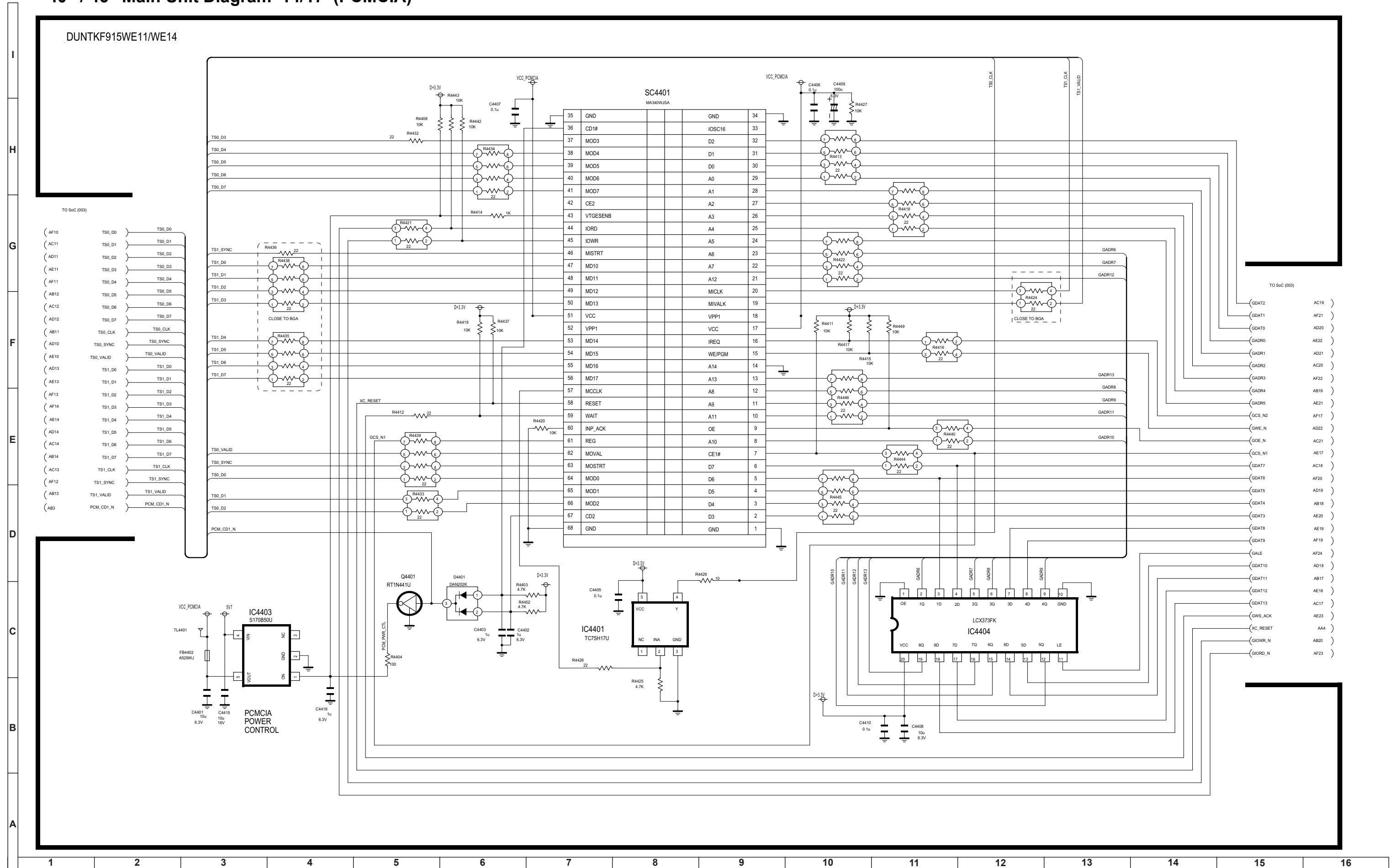




40" / 46" Main Unit Diagram 13/17 (USB)

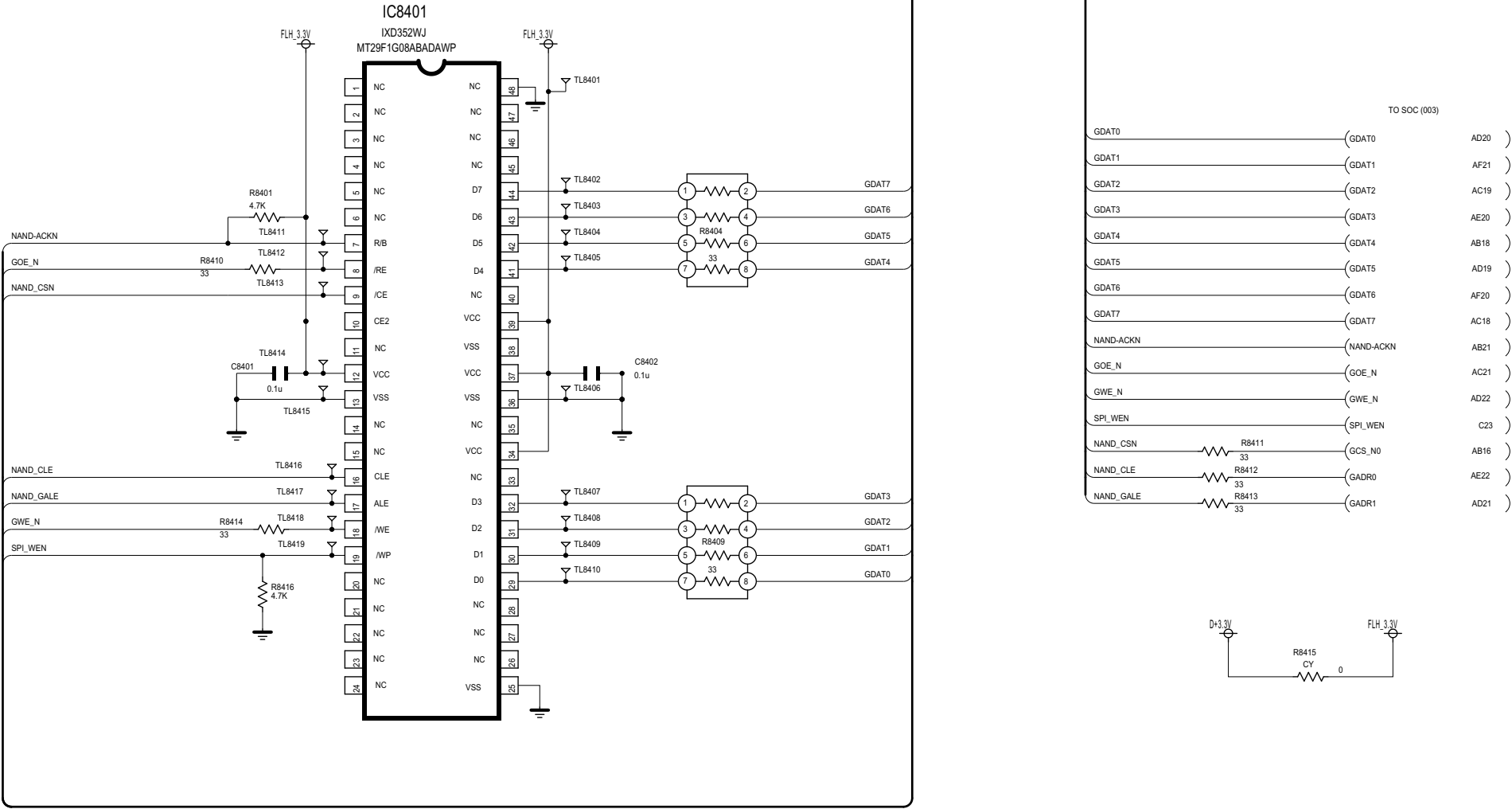


## 40" / 46" Main Unit Diagram 14/17 (PCMCIA)



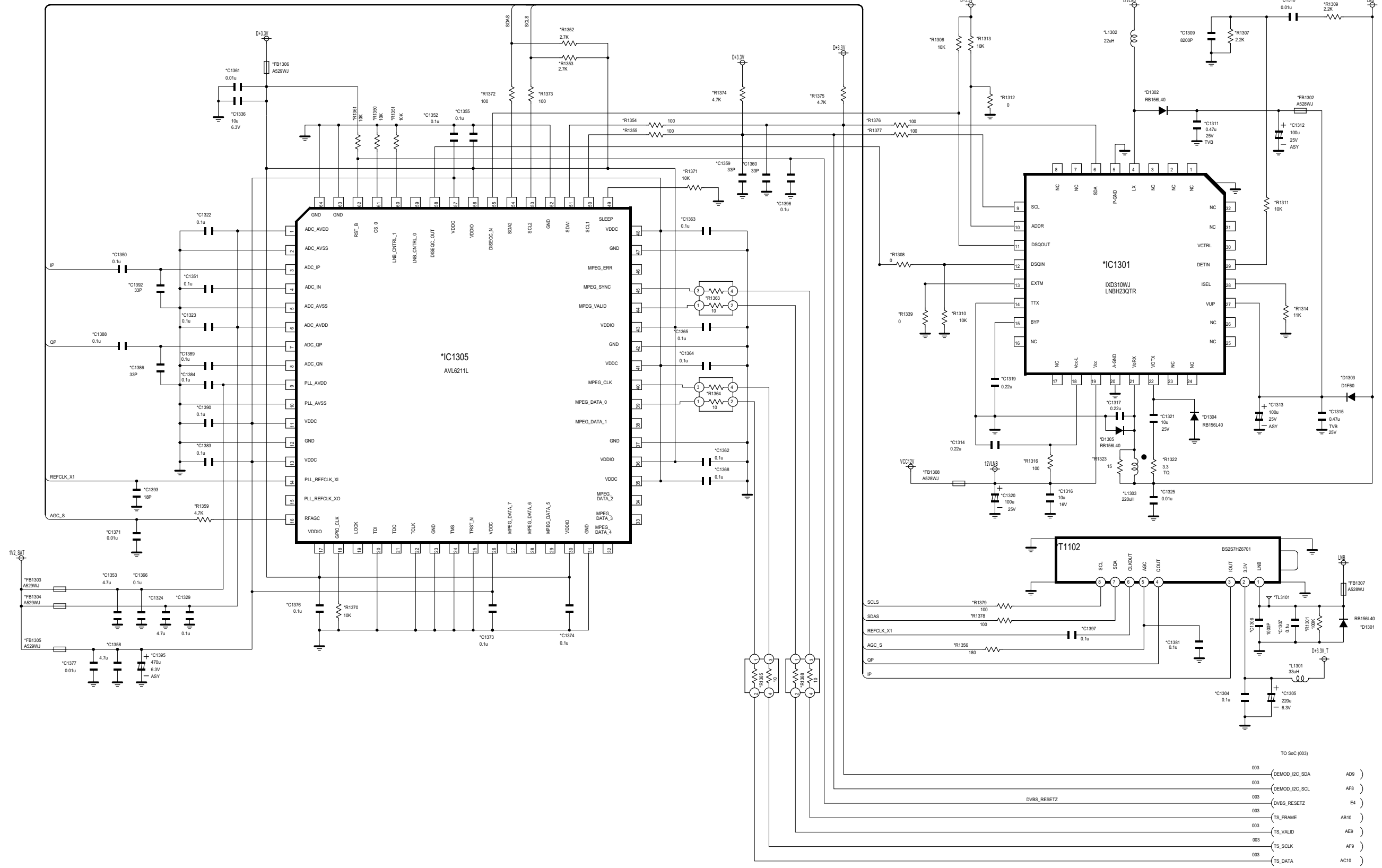
40" / 46" Main Unit Diagram 15/17 (NAND FLASH)

DUNTKF915WE11/WE14

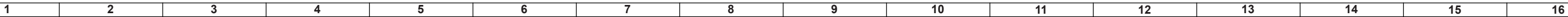


# 40" / 46" Main Unit Diagram 16/17 (SATELLITE)

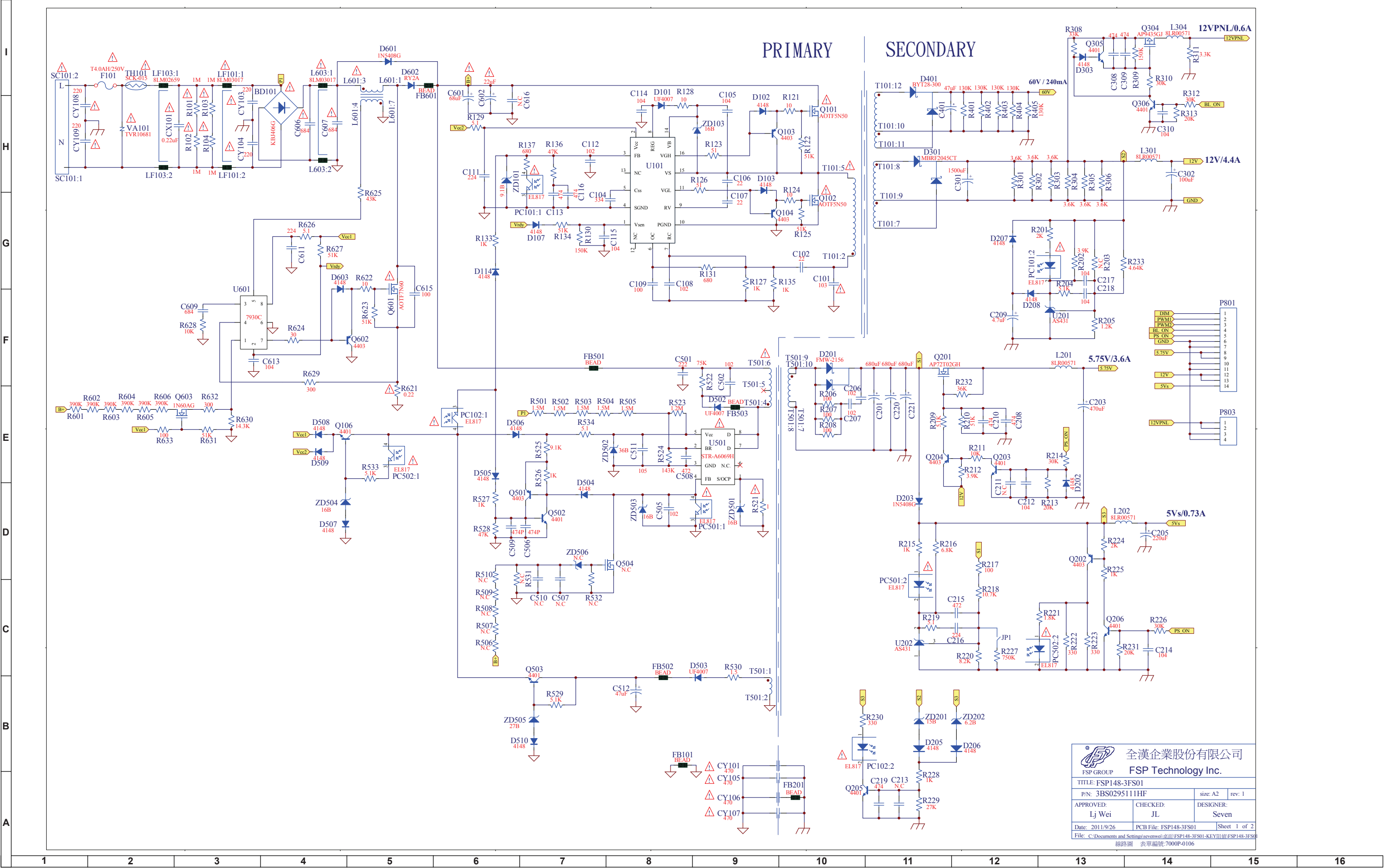
DUNTKF915WE11/WE14



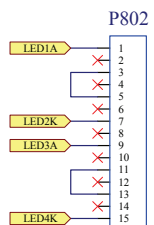
DUNTKF915WE11/WE14



## 40" / 46" Power Supply Diagram 1/2 (RDENCA440WJQZ)







|                                                                                       |                        |                                   |        |
|---------------------------------------------------------------------------------------|------------------------|-----------------------------------|--------|
|  |                        | 全漢企業股份有限公司<br>FSP Technology Inc. |        |
| TITLE: FSP148-3FS01                                                                   |                        |                                   |        |
| P/N: 3BS0295111HF                                                                     |                        | size: A2                          | rev: 1 |
| APPROVED:<br>Lj Wei                                                                   | CHECKED:<br>JL         | DESIGNER:<br>Seven                |        |
| Date: 2011/9/26                                                                       | PCB File: FSP148-3FS01 | Sheet 2 of 2                      |        |
| File: C:\Documents and Settings\sevenwei\桌面\FSP148-3FS01-KEY\圖檔\FSP148-3FS01          |                        |                                   |        |
| 統御網 表單編號: 70009-0106                                                                  |                        |                                   |        |

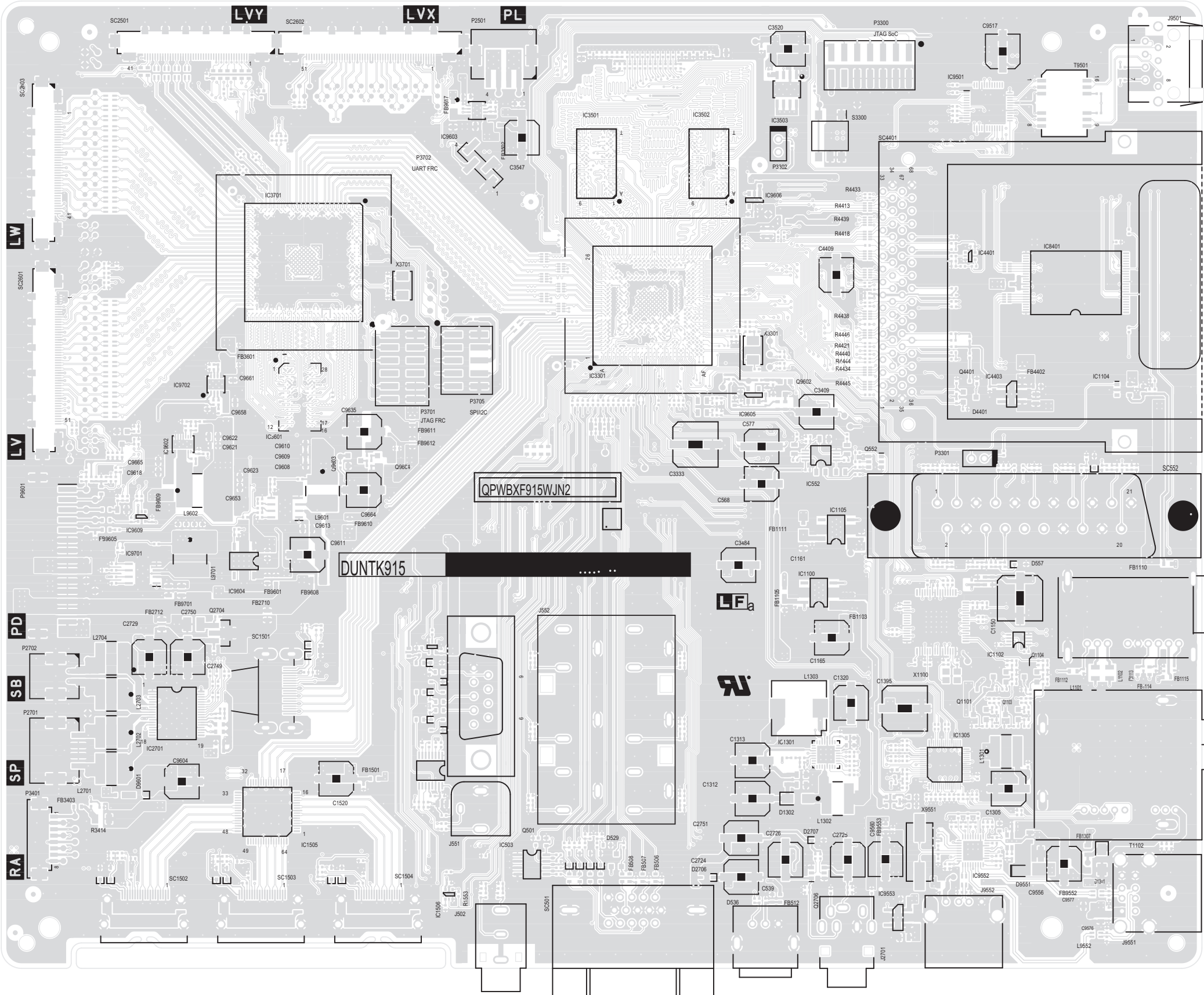


PRINTED WIRING BOARD

Main Unit PWB 1/4 (QPWBXF915WJN2)

Side A

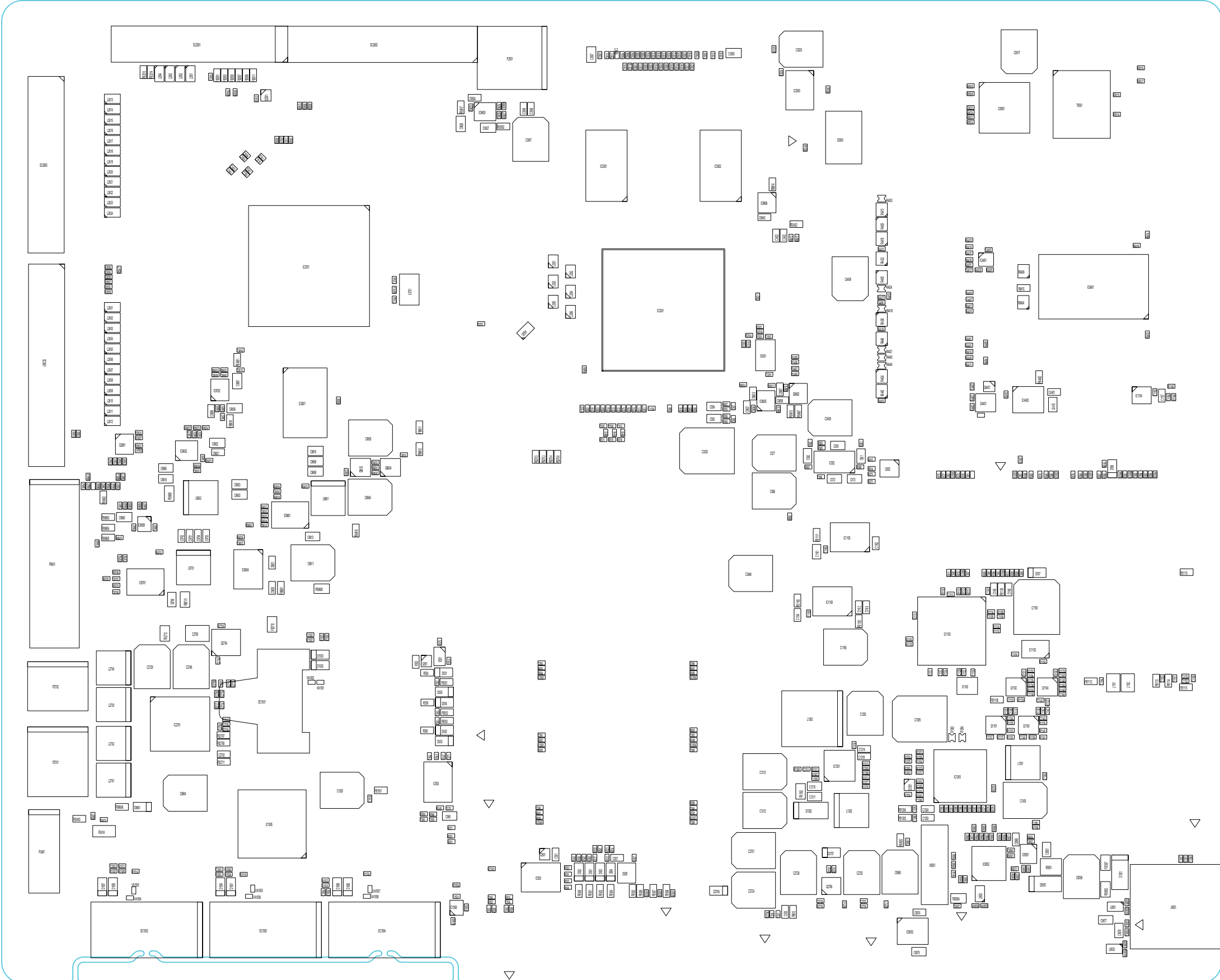
I  
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A



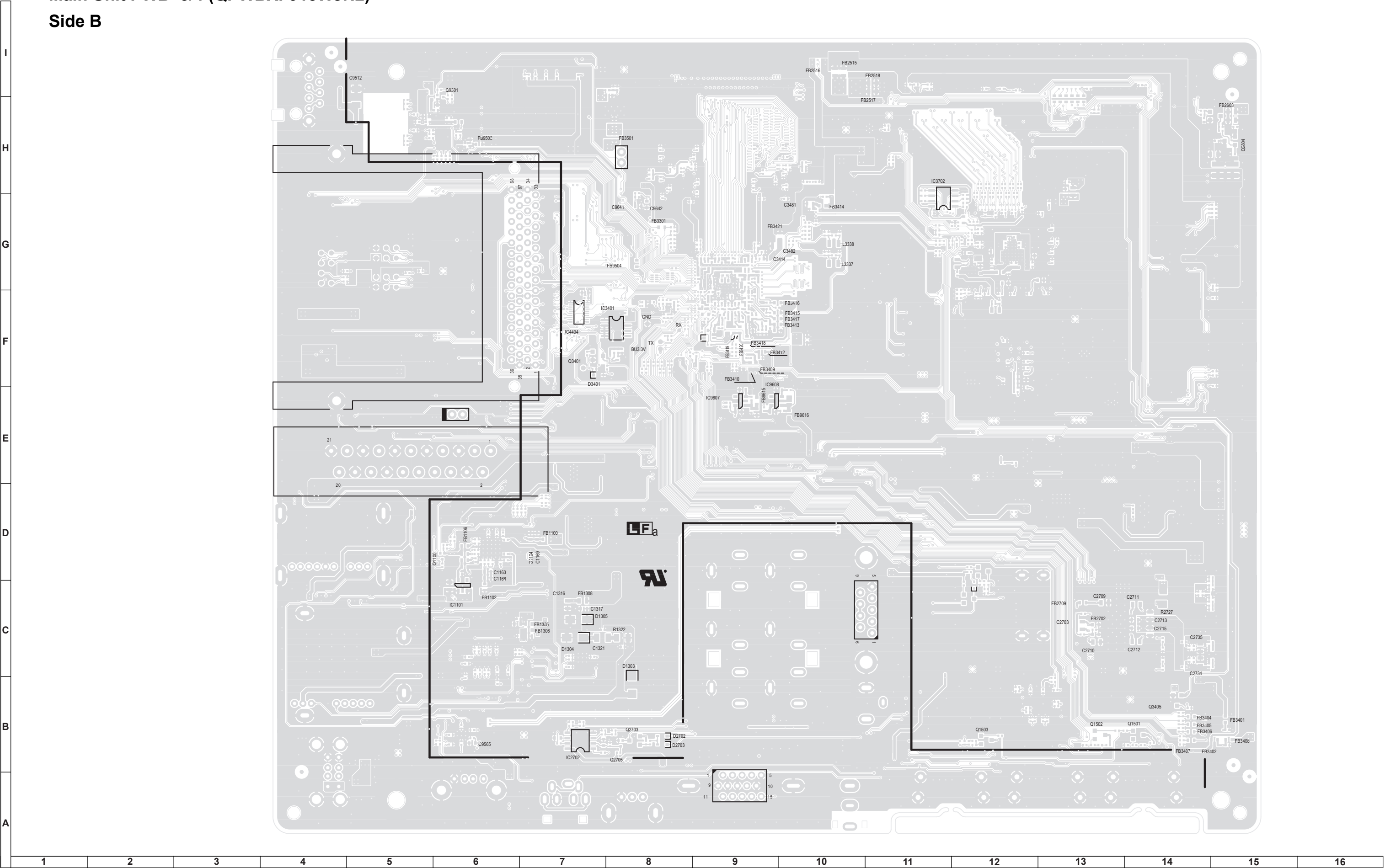
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

## Main Unit PWB 2/4 (QPWBXF915WJN2)

## Side A Chip Parts



Main Unit PWB 3/4 (QPWBXF915WJN2)  
Side B



Main Unit PWB 4/4 (QPWBXF915WJN2)  
Side B Chip Parts



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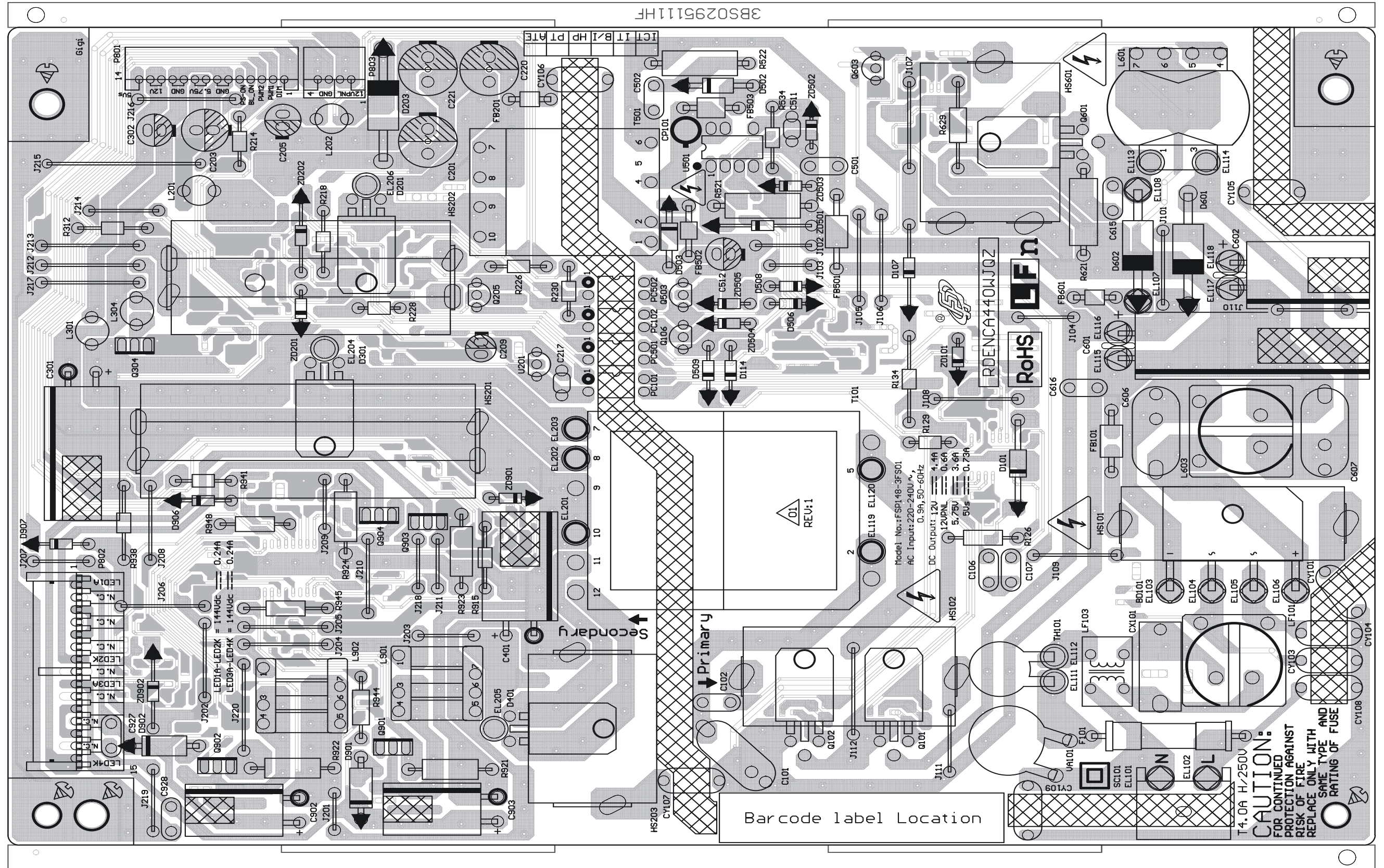
13

14

15

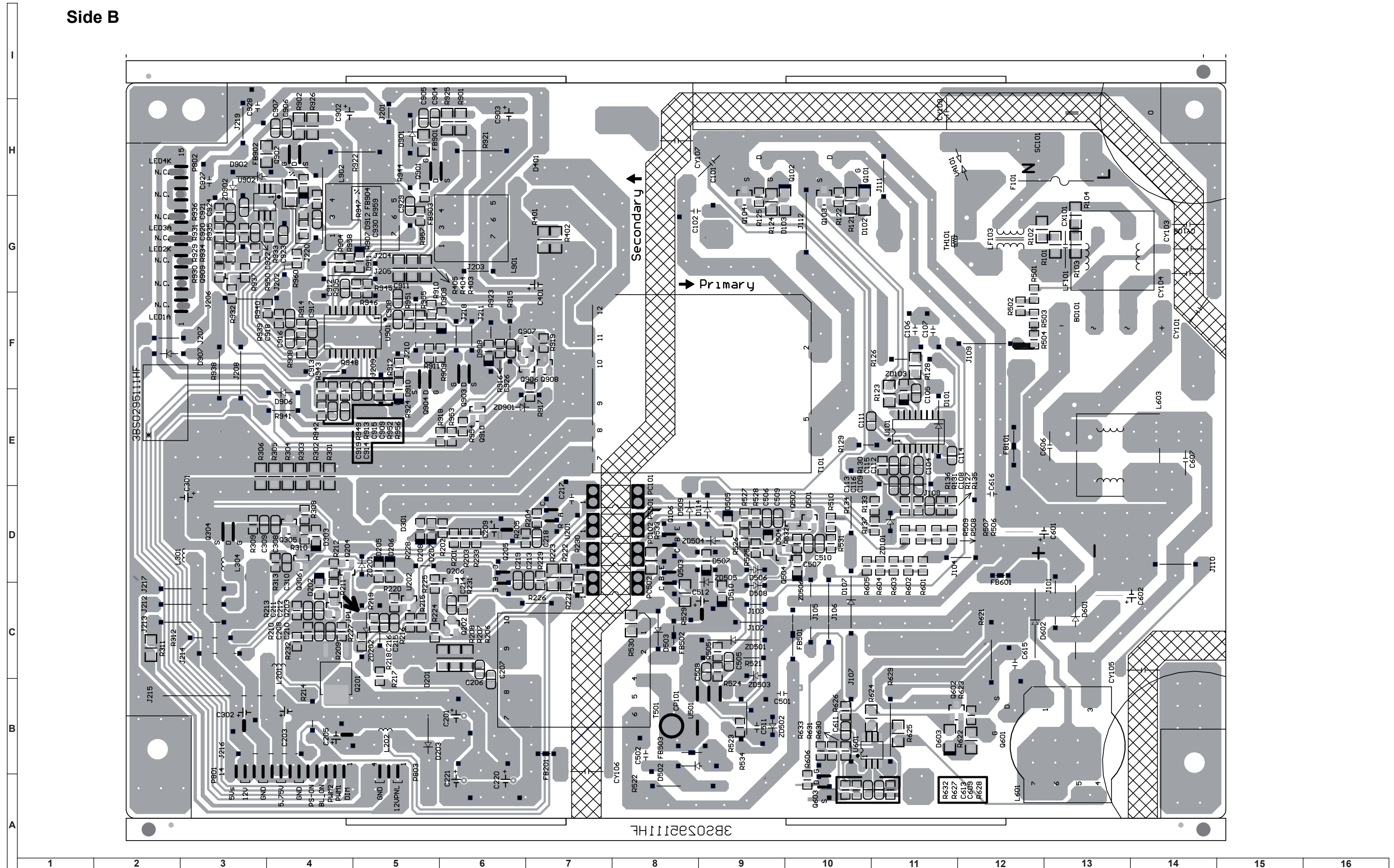
16







## Side B







## PARTS LISTING

### REPLACEMENT PARTS

Replacement parts which have special safety characteristics are identified in this manual.  
Electrical components having such features are identified by  in the Replacement Parts Listing.

The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended is not permitted.  
Replacement parts not shown in this service manual may create shock fire, or other hazards.

### HOW TO ORDER REPLACEMENT PARTS

To have your order completed promptly and correctly please supply the following information.

- |                 |             |             |
|-----------------|-------------|-------------|
| 1. MODEL NUMBER | 2. REF. NO. | 3. PART NO. |
| 4. DESCRIPTION  | 5. CODE     | 6. QUANTITY |

| MARK *: SPARE PARTS                                                               |         | DELIVERY SECTION |                                          |   |            |
|-----------------------------------------------------------------------------------|---------|------------------|------------------------------------------|---|------------|
|                                                                                   | REF No. | PARTS            | DESCRIPTION                              | * | PRICE CODE |
| LCD PANEL                                                                         |         |                  |                                          |   |            |
| NOTE : THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY     |         |                  |                                          |   |            |
|                                                                                   |         | R1LK400D3LB43A   | 40" LCD MODULE LK400D3LB43A              | P | DD         |
|                                                                                   |         | R1LK460D3LB33G   | 46" LCD MODULE LK460D3LB33G              | P | DM         |
| PRINTED WIRING BOARDS                                                             |         |                  |                                          |   |            |
|                                                                                   |         | DUNTKF915FM11    | ADJUST MAIN UNIT LE732 / LG TUNER        | P | CC         |
|  |         | RDENCA440WJQZ    | POWER WITH LED DRIVER 40/46" LE730/LE732 | P | BN         |
|                                                                                   |         | RUNTKA880WJPA2   | CONTROL BUTTON UNIT LE730/LE732 BLACK    | P | BC         |
| DUNTKF915WE11<br>LE732 -MAIN Unit                                                 |         |                  |                                          |   |            |
| INTEGRATED CIRCUITS                                                               |         |                  |                                          |   |            |
|                                                                                   | IC 0503 | VHIR24002AS-1Y   | CI EPROM R1EX24002ASAS0A                 | P | AB         |
|                                                                                   | IC 0552 | VHINJM4565V-1Y   | IC NJM4565V-TE1                          | P | AC         |
|                                                                                   | IC 1100 | VHIS172B12E-1Y   | CI S-1172B-E6T1G                         | P | AD         |
|                                                                                   | IC 1105 | VHIS172B33E-1Y   | CI S-1172B33-E6T1G                       | P | AC         |
|                                                                                   | IC 1301 | RH-IXD310WJZZY   | IC LNBH23QTR(QFN32 5x5mm) ST             | P | AL         |
|                                                                                   | IC 1305 | VHIAVL6211L-1Q   | IC DVB-S/S2 DEMOD AVL6211LA              | P | AY         |
|                                                                                   | IC 1505 | VHIBU16028K-1Q   | CI BU16028KV                             | P | AH         |
|                                                                                   | IC 1506 | VHITC7SH08U-1Y   | CI TC7SH08FU(TE85L)                      | P | AB         |
|                                                                                   | IC 2701 | VHISTA333BW-1L   | CI STA333BW13TR                          | P | AL         |
|                                                                                   | IC 2702 | VHIBH3547F+-1L   | CI BH3547-E2                             | P | AC         |
|                                                                                   | IC 3301 | RH-IXD425WJZZQ   | IC SUPRA HD ZR39691HGGC-X TRAY ZORAN     | P | BE         |
|                                                                                   | IC 3501 | RH-IXD242WJQZQ   | CI K4B2G1646C-HCH9 DDR3-2G-1333 SAMSUNG  | P | BA         |
|                                                                                   | IC 3502 | RH-IXD242WJQZQ   | CI K4B2G1646C-HCH9 DDR3-2G-1333 SAMSUNG  | P | BA         |
|                                                                                   | IC 3503 | RH-IXD362WJZZY   | IC RT9199SGP DDR3 BUS TERM.REG(RICHTK)   | P | AE         |
|                                                                                   | IC 3601 | RH-IXD504WJQZQ   | IC H5PS5162GFR-G7C 512Mb DDR2-1066 HYNIX | P | AS         |
|                                                                                   | IC 3701 | RH-IXD378WJZZQ   | IC SUPRA FRC ZR39301BGGC-TRAY ZORAN      | P | BB         |
|                                                                                   | IC 3702 | RH-IXD084WJZZY   | IC W25X20BVSNIIG                         | P | AE         |
|                                                                                   | IC 4401 | VHITC7SH17U-1Y   | CI TC7SH17FU(TE85L,F)                    | P | AC         |
|                                                                                   | IC 4403 | VHIS170B50U-1Y   | CI S-1170B50UC-0UJTFG                    | P | AD         |
|                                                                                   | IC 4404 | VHILCX373FK-1Y   | CI TC74LCX373FK(EJK)                     | P | AC         |
|                                                                                   | IC 8401 | RH-IXD352WJN3Q   | MICRON MT29F1G08ABADAWP:D 1Gb SOFTLE732  | P | AH         |
|                                                                                   | IC 9501 | RH-IXD309WJZZY   | IC IP101A LF C+ FAST ETHERNET TRANCEIVE  | P | AF         |
|                                                                                   | IC 9551 | RH-IXD187WJZZY   | CI AAT4614IGU-2-T1 ANALOGIC TECH         | P | AC         |
|                                                                                   | IC 9552 | VHI2514BAEZ-1Q   | IC USB2514B-AEZG                         | P | AM         |
|                                                                                   | IC 9553 | VHIS170B50U-1Y   | CI S-1170B50UC-0UJTFG                    | P | AD         |
|                                                                                   | IC 9601 | VHIBD9329EF-1Y   | CI BD9329EFJ-E2                          | P | AF         |
|                                                                                   | IC 9602 | VHIMP28254+-1Y   | CI MP28254EL-LF-Z                        | P | AF         |
|                                                                                   | IC 9603 | VHIBD3552HF-1L   | IC BD3552HFN-TR                          | P | AH         |

|             | REF No. | PARTS          | DESCRIPTION                              | * | PRICE CODE |
|-------------|---------|----------------|------------------------------------------|---|------------|
|             | IC 9604 | VHIS172B34E-1Y | IC S-1172B34-E6T1G                       | P | AC         |
|             | IC 9605 | VHIS135B11M-1Y | IC S-1135B11-M5T1S                       | P | AC         |
|             | IC 9606 | VHIS135B12M-1Y | IC S-1135B12-M5T1S                       | P | AC         |
|             | IC 9607 | VHIS135B11M-1Y | IC S-1135B11-M5T1S                       | P | AC         |
|             | IC 9608 | VHIS135B33M-1Y | IC S-1135B33-M5T1S                       | P | AC         |
|             | IC 9609 | VHITC7SH17U-1Y | CI TC7SH17FU(TE85L,F)                    | P | AC         |
|             | IC 9701 | VHIBD9329EF-1Y | CI BD9329EFJ-E2                          | P | AF         |
|             | IC 9702 | VHIBD3552HF-1L | IC BD3552HFN-TR                          | P | AH         |
| TRANSISTORS |         |                |                                          |   |            |
|             | Q 0501  | VSRT1N441U-1Y  | TRT RT1N441U-T111-1                      | P | AA         |
|             | Q 0552  | VSIMH23T110-1Y | TRT IMH23T110                            | P | AC         |
|             | Q 1501  | VS2SC3928AR-1Y | TRT 2SC3928AR-T112-1R MITSUBISHI         | P | AA         |
|             | Q 1505  | VS2N7002K++-1Y | TRT 2N7002K-RTK/P                        | P | AA         |
|             | Q 2601  | VS2SC3928AR-1Y | TRT 2SC3928AR-T112-1R MITSUBISHI         | P | AA         |
|             | Q 2602  | VS2SC3928AR-1Y | TRT 2SC3928AR-T112-1R MITSUBISHI         | P | AA         |
|             | Q 2604  | RH-TXA064WJZZY | TRT AO3415 P-Channel Mosfet ALPHA & OMEG | P | AC         |
|             | Q 2703  | VSISA1530AC-1Y | DIGITAL TRANSISTOR ISA1530AC1-T112-1R    | P | AA         |
|             | Q 2705  | VSRT1N141U-1Y  | TRT RT1N141U-T111-1                      | P | AA         |
|             | Q 2706  | VSIMH23T110-1Y | TRT IMH23T110                            | P | AC         |
|             | Q 3401  | VS2SC3928AR-1Y | TRT 2SC3928AR-T112-1R MITSUBISHI         | P | AA         |
|             | Q 3405  | VS2N7002K++-1Y | TRT 2N7002K-RTK/P                        | P | AA         |
|             | Q 4401  | VSRT1N441U-1Y  | TRT RT1N441U-T111-1                      | P | AA         |
|             | Q 9501  | VSRT1N441U-1Y  | TRT RT1N441U-T111-1                      | P | AA         |
|             | Q 9602  | VSKN3904S/-1+  | TRT KN3904S-RTK/P                        | P | AA         |
|             | Q 9603  | VS2SC3928AR-1Y | TRT 2SC3928AR-T112-1R MITSUBISHI         | P | AA         |
|             | Q 9604  | RH-TXA064WJZZY | TRT AO3415 P-Channel Mosfet ALPHA & OMEG | P | AC         |
| DIODES      |         |                |                                          |   |            |
|             | D 0501  | RH-EXA741WJQZY | ZENER DIODE DZ2J056M0L                   | P | AC         |
|             | D 0502  | RH-EXA741WJQZY | ZENER DIODE DZ2J056M0L                   | P | AC         |
|             | D 0503  | RH-EXA741WJQZY | ZENER DIODE DZ2J056M0L                   | P | AC         |
|             | D 0504  | RH-EXA741WJQZY | ZENER DIODE DZ2J056M0L                   | P | AC         |
|             | D 0505  | RH-EXA741WJQZY | ZENER DIODE DZ2J056M0L                   | P | AC         |
|             | D 0529  | VHDDAN202K-1Y  | DIO DO DAN202KT146                       | P | AA         |
|             | D 0536  | VHPGPFMV51T-1  | PHOTODIODE GP1FV51TK0F                   | P | AF         |
|             | D 0556  | RH-EXA741WJQZY | ZENER DIODE DZ2J056M0L                   | P | AC         |
|             | D 0557  | RH-EXA629WJQZY | ZENER DIODE 3,9V RKZ3,9B2KG              | P | AA         |
|             | D 1301  | VHDBR156L40-1Y | DIO DO RB156L-40TE25                     | P | AA         |
|             | D 1302  | VHDBR156L40-1Y | DIO DO RB156L-40TE25                     | P | AA         |
|             | D 1303  | VHDD1F60///-1Y | DIO DO D1F60-5053                        | P | AA         |
|             | D 1304  | VHDBR156L40-1Y | DIO DO RB156L-40TE25                     | P | AA         |
|             | D 1305  | VHDBR156L40-1Y | DIO DO RB156L-40TE25                     | P | AA         |
|             | D 1501  | RH-EXA741WJQZY | ZENER DIODE DZ2J056M0L                   | P | AC         |
|             | D 1502  | RH-EXA741WJQZY | ZENER DIODE DZ2J056M0L                   | P | AC         |
|             | D 1503  | RH-EXA741WJQZY | ZENER DIODE DZ2J056M0L                   | P | AC         |
|             | D 1504  | RH-EXA741WJQZY | ZENER DIODE DZ2J056M0L                   | P | AC         |
|             | D 1505  | RH-EXA741WJQZY | ZENER DIODE DZ2J056M0L                   | P | AC         |
|             | D 1506  | RH-EXA741WJQZY | ZENER DIODE DZ2J056M0L                   | P | AC         |
|             | D 1507  | RH-EXA741WJQZY | ZENER DIODE DZ2J056M0L                   | P | AC         |
|             | D 1508  | RH-EXA741WJQZY | ZENER DIODE DZ2J056M0L                   | P | AC         |
|             | D 1509  | VHDBR520S30-1Y | DIO DO RB520S-30                         | P | AA         |
|             | D 2702  | VHDSU119/-1Y   | DIO DO HSU119TRF                         | P | AB         |
|             | D 2703  | VHDSU119/-1Y   | DIO DO HSU119TRF                         | P | AB         |
|             | D 2706  | VHDSU119/-1Y   | DIO DO HSU119TRF                         | P | AB         |
|             | D 2707  | VHDSU119/-1Y   | DIO DO HSU119TRF                         | P | AB         |
|             | D 3401  | VHDSU119/-1Y   | DIO DO HSU119TRF                         | P | AB         |

|                   | REF No. | PARTS          | DESCRIPTION                         | * | PRICE CODE |
|-------------------|---------|----------------|-------------------------------------|---|------------|
|                   | D 4401  | VHDDAN202KI-1Y | DIODO DAN202KT146                   | P | AA         |
|                   | D 9551  | RH-DXA159WJZZY | DIODE RF201L2STE25 ROHM             | P | AC         |
|                   | D 9601  | VHDHSU119I/-1Y | DIODO HSU119TRF                     | P | AB         |
| PACKAGED CIRCUITS |         |                |                                     |   |            |
|                   | SG 0501 | RH-VXA187WJQZY | VARISTOR EZAEG2A50AX                | P | AD         |
|                   | SG 0502 | RH-VXA187WJQZY | VARISTOR EZAEG2A50AX                | P | AD         |
|                   | SG 0503 | RH-VXA187WJQZY | VARISTOR EZAEG2A50AX                | P | AD         |
|                   | SG 0551 | RH-VXA187WJQZY | VARISTOR EZAEG2A50AX                | P | AD         |
|                   | SG 0552 | RH-VXA187WJQZY | VARISTOR EZAEG2A50AX                | P | AD         |
|                   | SG 0553 | RH-VXA187WJQZY | VARISTOR EZAEG2A50AX                | P | AD         |
|                   | SG 0554 | RH-VXA187WJQZY | VARISTOR EZAEG2A50AX                | P | AD         |
|                   | SG 0555 | RH-VXA187WJQZY | VARISTOR EZAEG2A50AX                | P | AD         |
|                   | SG 0556 | RH-VXA187WJQZY | VARISTOR EZAEG2A50AX                | P | AD         |
|                   | SG 0557 | RH-VXA187WJQZY | VARISTOR EZAEG2A50AX                | P | AD         |
|                   | SG 0558 | RH-VXA187WJQZY | VARISTOR EZAEG2A50AX                | P | AD         |
|                   | SG 0559 | RH-VXA187WJQZY | VARISTOR EZAEG2A50AX                | P | AD         |
|                   | SG 0560 | RH-VXA187WJQZY | VARISTOR EZAEG2A50AX                | P | AD         |
|                   | SG 0561 | RH-VXA187WJQZY | VARISTOR EZAEG2A50AX                | P | AD         |
|                   | SG 0562 | RH-VXA187WJQZY | VARISTOR EZAEG2A50AX                | P | AD         |
|                   | SG 0563 | RH-VXA187WJQZY | VARISTOR EZAEG2A50AX                | P | AD         |
|                   | SG 0564 | RH-VXA187WJQZY | VARISTOR EZAEG2A50AX                | P | AD         |
|                   | SG 0565 | RH-VXA187WJQZY | VARISTOR EZAEG2A50AX                | P | AD         |
|                   | VA 1501 | RH-VXA074WJZZY | VARISTOR AVRL101A1R1NTB             | P | AD         |
|                   | VA 1502 | RH-VXA074WJZZY | VARISTOR AVRL101A1R1NTB             | P | AD         |
|                   | VA 1503 | RH-VXA074WJZZY | VARISTOR AVRL101A1R1NTB             | P | AD         |
|                   | VA 1504 | RH-VXA074WJZZY | VARISTOR AVRL101A1R1NTB             | P | AD         |
|                   | VA 1505 | RH-VXA074WJZZY | VARISTOR AVRL101A1R1NTB             | P | AD         |
|                   | VA 1506 | RH-VXA074WJZZY | VARISTOR AVRL101A1R1NTB             | P | AD         |
|                   | VA 1507 | RH-VXA074WJZZY | VARISTOR AVRL101A1R1NTB             | P | AD         |
|                   | VA 1508 | RH-VXA074WJZZY | VARISTOR AVRL101A1R1NTB             | P | AD         |
|                   | VA 9551 | RH-VXA074WJZZY | VARISTOR AVRL101A1R1NTB             | P | AD         |
|                   | VA 9552 | RH-VXA074WJZZY | VARISTOR AVRL101A1R1NTB             | P | AD         |
|                   | VA 9553 | RH-VXA074WJZZY | VARISTOR AVRL101A1R1NTB             | P | AD         |
|                   | VA 9554 | RH-VXA074WJZZY | VARISTOR AVRL101A1R1NTB             | P | AD         |
|                   | VA 9555 | RH-VXA074WJZZY | VARISTOR AVRL101A1R1NTB             | P | AD         |
|                   | VA 9556 | RH-VXA074WJZZY | VARISTOR AVRL101A1R1NTB             | P | AD         |
|                   | X 3301  | RCRSCA219WJQZY | CRYSTAL NX5032GA(EXS00A-CG01569)    | P | AF         |
|                   | X 3701  | RCRSCA219WJQZY | CRYSTAL NX5032GA(EXS00A-CG01569)    | P | AF         |
|                   | X 9551  | RCRSCA224WJZZY | CRYSTAL AT-41CD2-24.000MHz_20_N_NDK | P | AC         |
| COILS AND FILTERS |         |                |                                     |   |            |
|                   | FB 0501 | RBLN-A529WJZZY | FERRITE MI0603M121R-10              | P | AE         |
|                   | FB 0502 | RBLN-A529WJZZY | FERRITE MI0603M121R-10              | P | AE         |
|                   | FB 0503 | RBLN-A529WJZZY | FERRITE MI0603M121R-10              | P | AE         |
|                   | FB 0504 | RBLN-A529WJZZY | FERRITE MI0603M121R-10              | P | AE         |
|                   | FB 0505 | RBLN-A529WJZZY | FERRITE MI0603M121R-10              | P | AE         |
|                   | FB 0506 | RBLN-A529WJZZY | FERRITE MI0603M121R-10              | P | AE         |
|                   | FB 0507 | RBLN-A529WJZZY | FERRITE MI0603M121R-10              | P | AE         |
|                   | FB 0508 | RBLN-A529WJZZY | FERRITE MI0603M121R-10              | P | AE         |
|                   | FB 0512 | RBLN-A529WJZZY | FERRITE MI0603M121R-10              | P | AE         |
|                   | FB 1105 | RBLN-A529WJZZY | FERRITE MI0603M121R-10              | P | AE         |
|                   | FB 1109 | RBLN-A529WJZZY | FERRITE MI0603M121R-10              | P | AE         |
|                   | FB 1111 | RBLN-A529WJZZY | FERRITE MI0603M121R-10              | P | AE         |
|                   | FB 1112 | RBLN-A529WJZZY | FERRITE MI0603M121R-10              | P | AE         |
|                   | FB 1113 | RBLN-A529WJZZY | FERRITE MI0603M121R-10              | P | AE         |
|                   | FB 1114 | RBLN-A529WJZZY | FERRITE MI0603M121R-10              | P | AE         |

|  | REF No. | PARTS          | DESCRIPTION                 | * | PRICE CODE |
|--|---------|----------------|-----------------------------|---|------------|
|  | FB 1115 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 1302 | RBLN-A528WJZZY | FERRITA HI0805N600R-10      | P | AA         |
|  | FB 1303 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 1304 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 1305 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 1306 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 1307 | RBLN-A528WJZZY | FERRITA HI0805N600R-10      | P | AA         |
|  | FB 1308 | RBLN-A528WJZZY | FERRITA HI0805N600R-10      | P | AA         |
|  | FB 1501 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 2603 | RBLN-A528WJZZY | FERRITA HI0805N600R-10      | P | AA         |
|  | FB 2702 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 2703 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 2704 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 2705 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 2706 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 2707 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 2708 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 2709 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 2711 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 2712 | RBLN-A528WJZZY | FERRITA HI0805N600R-10      | P | AA         |
|  | FB 3301 | VRS-CY1JF000JY | RES 0603 0 OHM 5% 1/10W SMD | P | AA         |
|  | FB 3401 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3403 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3404 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3405 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3406 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3407 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3408 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3409 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3410 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3411 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3412 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3413 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3414 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3415 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3416 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3417 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3418 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3419 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3420 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3421 | VRS-CY1JF000JY | RES 0603 0 OHM 5% 1/10W SMD | P | AA         |
|  | FB 3422 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3501 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3502 | VRS-CY1JF000JY | RES 0603 0 OHM 5% 1/10W SMD | P | AA         |
|  | FB 3601 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3701 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 3702 | RBLN-A528WJZZY | FERRITA HI0805N600R-10      | P | AA         |
|  | FB 3703 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 4402 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 9501 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 9502 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 9503 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 9504 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 9552 | RBLN-A528WJZZY | FERRITA HI0805N600R-10      | P | AA         |
|  | FB 9553 | RBLN-A529WJZZY | FERRITE MI0603M121R-10      | P | AE         |
|  | FB 9554 | RBLN-A528WJZZY | FERRITA HI0805N600R-10      | P | AA         |



|  | REF No. | PARTS          | DESCRIPTION                    | * | PRICE CODE |            | REF No. | PARTS          | DESCRIPTION                           | * | PRICE CODE |
|--|---------|----------------|--------------------------------|---|------------|------------|---------|----------------|---------------------------------------|---|------------|
|  | FB 9601 | RBLN-A529WJZZY | FERRITE MI0603M121R-10         | P | AE         |            | L 3305  | VRK-SB1FF000JY | RES 0 OHM 5% 1/32W SMD                | P | AA         |
|  | FB 9602 | RBLN-A529WJZZY | FERRITE MI0603M121R-10         | P | AE         |            | L 3306  | VRK-SB1FF000JY | RES 0 OHM 5% 1/32W SMD                | P | AA         |
|  | FB 9603 | RBLN-A529WJZZY | FERRITE MI0603M121R-10         | P | AE         |            | L 3337  | VPDBN1R8J1R1NY | BOBINA NLV25T-1R8J-PF                 | P | AB         |
|  | FB 9604 | RBLN-A529WJZZY | FERRITE MI0603M121R-10         | P | AE         |            | L 3338  | VPDBN1R8J1R1NY | BOBINA NLV25T-1R8J-PF                 | P | AB         |
|  | FB 9605 | RBLN-A529WJZZY | FERRITE MI0603M121R-10         | P | AE         |            | L 9551  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD        | P | AE         |
|  | FB 9606 | RBLN-A529WJZZY | FERRITE MI0603M121R-10         | P | AE         |            | L 9552  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD        | P | AE         |
|  | FB 9607 | RBLN-A529WJZZY | FERRITE MI0603M121R-10         | P | AE         |            | L 9553  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD        | P | AE         |
|  | FB 9608 | VRS-TV1JD000JY | RES 2125 0 OHM 5% 1/10W SMD    | P | AA         |            | L 9554  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD        | P | AE         |
|  | FB 9609 | RBLN-A528WJZZY | FERRITA HI0805N600R-10         | P | AA         |            | L 9601  | RCILPB014WJQZY | COIL SWPA6045S100                     | P | AC         |
|  | FB 9610 | VRS-CY1JF000JY | RES 0603 0 OHM 5% 1/10W SMD    | P | AA         |            | L 9602  | RCILPB011WJQZY | COIL SWPA6045S2R7                     | P | AB         |
|  | FB 9611 | RBLN-A529WJZZY | FERRITE MI0603M121R-10         | P | AE         |            | L 9701  | RCILPB014WJQZY | COIL SWPA6045S100                     | P | AC         |
|  | FB 9612 | VRS-CY1JF000JY | RES 0603 0 OHM 5% 1/10W SMD    | P | AA         | TUNER      |         |                |                                       |   |            |
|  | FB 9613 | RBLN-A529WJZZY | FERRITE MI0603M121R-10         | P | AE         |            | TU 1101 | RTUAA090WJQZ   | TUNER TDSV-G081D LOW IF DVB-T/T2/C LG | P | AV         |
|  | FB 9614 | RBLN-A529WJZZY | FERRITE MI0603M121R-10         | P | AE         |            | T 1102  | RTUDSA029WJQZ  | DIGITAL DBS TUNER A3BS2S7H26702W      | P | AX         |
|  | FB 9615 | RBLN-A529WJZZY | FERRITE MI0603M121R-10         | P | AE         | CAPACITORS |         |                |                                       |   |            |
|  | FB 9616 | RBLN-A529WJZZY | FERRITE MI0603M121R-10         | P | AE         |            | C 0501  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P |            |
|  | FB 9617 | RBLN-A529WJZZY | FERRITE MI0603M121R-10         | P | AE         |            | C 0502  | VCCCCZ1HH331JY | CERAM C 0402 330PF 50V 5%             | P | AA         |
|  | FB 9618 | RBLN-A529WJZZY | FERRITE MI0603M121R-10         | P | AE         |            | C 0503  | VCCCCZ1HH331JY | CERAM C 0402 330PF 50V 5%             | P | AA         |
|  | FB 9701 | RBLN-A528WJZZY | FERRITA HI0805N600R-10         | P | AA         |            | C 0504  | VCCCCZ1HH561JY | CERAM C 0402 560PF 50V 5%             | P | AA         |
|  | L 1101  | VPDBNR33JR45NY | BOBINA NLV25T-R33J-PF          | P | AB         |            | C 0505  | VCCCCZ1HH100DY | C CERAM 0402 10PF 50V 0,5%            | P | AA         |
|  | L 1102  | VPDBNR33JR45NY | BOBINA NLV25T-R33J-PF          | P | AB         |            | C 0506  | VCCCCZ1HH561JY | CERAM C 0402 560PF 50V 5%             | P | AA         |
|  | L 1301  | RCILPB017WJQZY | COIL SWPA6045S330              | P | AB         |            | C 0507  | VCCCCY1HH101JY | CONDENSADOR GRM39CK 101J 50 (1608)SMD | P | AA         |
|  | L 1302  | RCILPB016WJQZY | COIL SWPA6045S220              | P | AD         |            | C 0508  | VCCCCZ1HH100DY | C CERAM 0402 10PF 50V 0,5%            | P | AA         |
|  | L 1303  | RCILP0303TAZZY | COIL SLF10145-221MR65          | P | AD         |            | C 0510  | VCCCCZ1HH100DY | C CERAM 0402 10PF 50V 0,5%            | P | AA         |
|  | L 2601  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0512  | VCKYCZ1CB473KY | C CERAM 0402 47NF 16V 10%             | P | AB         |
|  | L 2602  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0513  | VCKYCZ1CB473KY | C CERAM 0402 47NF 16V 10%             | P | AB         |
|  | L 2603  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0514  | VCKYCZ1CB473KY | C CERAM 0402 47NF 16V 10%             | P | AB         |
|  | L 2604  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0515  | VCKYCZ1HB472KY | C CERAM 0402 4,7NF 50V 10%            | P | AA         |
|  | L 2605  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0516  | VCKYCZ1AB474KY | C CERAM 0402 470NF 10V 10%            | P | AB         |
|  | L 2606  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0517  | VCKYCZ1AB474KY | C CERAM 0402 470NF 10V 10%            | P | AB         |
|  | L 2607  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0537  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | L 2608  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0538  | VCCCCZ1HH220JY | CERAM C 0402 22PF 50V 5%              | P | AA         |
|  | L 2609  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0539  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|  | L 2610  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0554  | RC-KZA237WJZZY | C CERAM EMK212BJ106KGFT 10UF 16V 10%  | P | AD         |
|  | L 2611  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0555  | RC-KZA237WJZZY | C CERAM EMK212BJ106KGFT 10UF 16V 10%  | P | AD         |
|  | L 2612  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0557  | VCCCCZ1HH331JY | CERAM C 0402 330PF 50V 5%             | P | AA         |
|  | L 2613  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0558  | VCCCCZ1HH331JY | CERAM C 0402 330PF 50V 5%             | P | AA         |
|  | L 2614  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0559  | VCCCCZ1HH470JY | CERAM C 0402 47PF 50V 5%              | P | AA         |
|  | L 2615  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0560  | VCCCCZ1HH470JY | CERAM C 0402 47PF 50V 5%              | P | AA         |
|  | L 2616  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0561  | RC-KZA237WJZZY | C CERAM EMK212BJ106KGFT 10UF 16V 10%  | P | AD         |
|  | L 2617  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0562  | RC-KZA237WJZZY | C CERAM EMK212BJ106KGFT 10UF 16V 10%  | P | AD         |
|  | L 2618  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0563  | RC-KZA237WJZZY | C CERAM EMK212BJ106KGFT 10UF 16V 10%  | P | AD         |
|  | L 2619  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0566  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | L 2620  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0568  | VCEASY1CN107MY | C ELEC 100UF 20% 16V MVL16VC100MF61   | P | AB         |
|  | L 2621  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0572  | RC-KZA237WJZZY | C CERAM EMK212BJ106KGFT 10UF 16V 10%  | P | AD         |
|  | L 2622  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0573  | RC-KZA237WJZZY | C CERAM EMK212BJ106KGFT 10UF 16V 10%  | P | AD         |
|  | L 2623  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0574  | VCKYCZ1CB473KY | C CERAM 0402 47NF 16V 10%             | P | AB         |
|  | L 2624  | VRS-CA1JF000JY | ARRAY 2 RES 0 OHM 5% 1/16W SMD | P | AE         |            | C 0575  | VCKYCZ1CB473KY | C CERAM 0402 47NF 16V 10%             | P | AB         |
|  | L 2701  | RCILPB016WJQZY | COIL SWPA6045S220              | P | AD         |            | C 0576  | VCKYCZ1CB473KY | C CERAM 0402 47NF 16V 10%             | P | AB         |
|  | L 2702  | RCILPB016WJQZY | COIL SWPA6045S220              | P | AD         |            | C 0577  | VCAAPE0JJ227MY | C ELEC 220UF 20% 6,3V 6SVP100M        | P | AH         |
|  | L 2703  | RCILPB016WJQZY | COIL SWPA6045S220              | P | AD         |            | C 0580  | VCCCCZ1HH271JY | C CERAM 0402 270PF 50V 5%             | P | AA         |
|  | L 2704  | RCILPB016WJQZY | COIL SWPA6045S220              | P | AD         |            | C 0581  | VCKYCZ1HB471KY | C CERAM 0402 470PF 50V 10%            | P | AA         |
|  | L 3301  | VRK-SB1FF000JY | RES 0 OHM 5% 1/32W SMD         | P | AA         |            | C 0582  | VCKYCZ1HB471KY | C CERAM 0402 470PF 50V 10%            | P | AA         |
|  | L 3302  | VRK-SB1FF000JY | RES 0 OHM 5% 1/32W SMD         | P | AA         |            |         |                |                                       |   |            |
|  | L 3303  | VRK-SB1FF000JY | RES 0 OHM 5% 1/32W SMD         | P | AA         |            |         |                |                                       |   |            |
|  | L 3304  | VRK-SB1FF000JY | RES 0 OHM 5% 1/32W SMD         | P | AA         |            |         |                |                                       |   |            |

|  | REF No. | PARTS          | DESCRIPTION                          | * | PRICE CODE |
|--|---------|----------------|--------------------------------------|---|------------|
|  | C 0585  | VCCCCZ1HH100DY | C CERAM 0402 10PF 50V 0,5%           | P | AA         |
|  | C 0586  | VCCCCZ1HH100DY | C CERAM 0402 10PF 50V 0,5%           | P | AA         |
|  | C 0587  | VCCCCZ1HH100DY | C CERAM 0402 10PF 50V 0,5%           | P | AA         |
|  | C 0588  | VCCCCZ1HH331JY | CERAM C 0402 330PF 50V 5%            | P | AA         |
|  | C 0589  | VCCCCZ1HH331JY | CERAM C 0402 330PF 50V 5%            | P | AA         |
|  | C 0590  | VCCCCZ1HH100DY | C CERAM 0402 10PF 50V 0,5%           | P | AA         |
|  | C 0591  | VCCCCZ1HH100DY | C CERAM 0402 10PF 50V 0,5%           | P | AA         |
|  | C 0592  | VCCCCZ1HH100DY | C CERAM 0402 10PF 50V 0,5%           | P | AA         |
|  | C 0593  | VCCCCZ1HH331JY | CERAM C 0402 330PF 50V 5%            | P | AA         |
|  | C 0594  | VCCCCZ1HH561JY | CERAM C 0402 560PF 50V 5%            | P | AA         |
|  | C 0595  | VCCCCZ1HH561JY | CERAM C 0402 560PF 50V 5%            | P | AA         |
|  | C 0596  | VCCCCZ1HH680JY | C CERAM 0402 68PF 50V 5%             | P | AA         |
|  | C 0597  | VCCCCZ1HH561JY | CERAM C 0402 560PF 50V 5%            | P | AA         |
|  | C 0598  | VCKYCZ1CB473KY | C CERAM 0402 47NF 16V 10%            | P | AB         |
|  | C 0599  | VCCCCZ1HH680JY | C CERAM 0402 68PF 50V 5%             | P | AA         |
|  | C 0600  | VCCCCZ1HH470JY | CERAM C 0402 47PF 50V 5%             | P | AA         |
|  | C 0601  | VCKYCZ1CB473KY | C CERAM 0402 47NF 16V 10%            | P | AB         |
|  | C 0602  | VCKYCZ1HB472KY | C CERAM 0402 4,7NF 50V 10%           | P | AA         |
|  | C 0603  | VCKYCZ1CB473KY | C CERAM 0402 47NF 16V 10%            | P | AB         |
|  | C 0604  | VCKYCZ1CB473KY | C CERAM 0402 47NF 16V 10%            | P | AB         |
|  | C 0605  | VCKYCZ1AB474KY | C CERAM 0402 470NF 10V 10%           | P | AB         |
|  | C 0606  | VCKYCZ1AB474KY | C CERAM 0402 470NF 10V 10%           | P | AB         |
|  | C 0607  | VCCCCZ1HH331JY | CERAM C 0402 330PF 50V 5%            | P | AA         |
|  | C 0608  | VCCCCZ1HH561JY | CERAM C 0402 560PF 50V 5%            | P | AA         |
|  | C 0609  | VCKYCZ1AB474KY | C CERAM 0402 470NF 10V 10%           | P | AB         |
|  | C 0610  | VCKYCZ1AB474KY | C CERAM 0402 470NF 10V 10%           | P | AB         |
|  | C 0611  | VCKYCZ1CB473KY | C CERAM 0402 47NF 16V 10%            | P | AB         |
|  | C 1100  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D | P | AA         |
|  | C 1102  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D | P | AA         |
|  | C 1104  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D | P | AA         |
|  | C 1105  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |
|  | C 1107  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |
|  | C 1135  | VCCCCZ1HH150JY | C CERAM 0402 15PF 50V 5%             | P | AA         |
|  | C 1141  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |
|  | C 1144  | VCCCCZ1HH150JY | C CERAM 0402 15PF 50V 5%             | P | AA         |
|  | C 1145  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D | P | AA         |
|  | C 1148  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D | P | AA         |
|  | C 1150  | VCEASY0JN477MY | C ELEC 470UF 6,3V MLA6,3VC470MF80    | P | AF         |
|  | C 1151  | VCCCCZ1HH220JY | CERAM C 0402 22PF 50V 5%             | P | AA         |
|  | C 1152  | VCKYCZ1HB472KY | C CERAM 0402 4,7NF 50V 10%           | P | AA         |
|  | C 1153  | VCCCCZ1HH220JY | CERAM C 0402 22PF 50V 5%             | P | AA         |
|  | C 1154  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%             | P | AA         |
|  | C 1160  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |
|  | C 1161  | RC-KZA237WJZZY | C CERAM EMK212BJ106KGFT 10UF 16V 10% | P | AD         |
|  | C 1162  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D | P | AA         |
|  | C 1166  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |
|  | C 1167  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |
|  | C 1170  | VCKYCZ1HB471KY | C CERAM 0402 470PF 50V 10%           | P | AA         |
|  | C 1304  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |
|  | C 1305  | VCAAPE0JJ227MY | C ELEC 220UF 20% 6,3V 6SVP100M       | P | AH         |
|  | C 1306  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%             | P | AA         |
|  | C 1307  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |
|  | C 1309  | VCKYCZ1EB822KY | C CERAM 0402 8,2NF 25V 10%           | P | AA         |

|  | REF No. | PARTS          | DESCRIPTION                           | * | PRICE CODE |
|--|---------|----------------|---------------------------------------|---|------------|
|  | C 1310  | VCKYCZ1EB103KY | C CERAM 0402 10NF 25V 10%             | P | AA         |
|  | C 1311  | VCKYTV1EB474KY | C CERAM 470NF 25V 212SSMD             | P | AA         |
|  | C 1312  | VCEASY1EN107MY | C ELEC 100UF 20% 25V MLA25VC100MF80   | P | AA         |
|  | C 1313  | VCEASY1EN107MY | C ELEC 100UF 20% 25V MLA25VC100MF80   | P | AA         |
|  | C 1314  | RC-KZA709WJQZY | C CERAM 0,22 UF 25V TMK107BJ224KA-T   | P | AA         |
|  | C 1315  | VCKYTV1EB474KY | C CERAM 470NF 25V 212SSMD             | P | AA         |
|  | C 1316  | RC-KZA237WJZZY | C CERAM EMK212BJ106KGFT 10UF 16V 10%  | P | AD         |
|  | C 1317  | RC-KZA709WJQZY | C CERAM 0,22 UF 25V TMK107BJ224KA-T   | P | AA         |
|  | C 1319  | RC-KZA709WJQZY | C CERAM 0,22 UF 25V TMK107BJ224KA-T   | P | AA         |
|  | C 1320  | VCEASY1EN107MY | C ELEC 100UF 20% 25V MLA25VC100MF80   | P | AA         |
|  | C 1321  | RC-KZA383WJZZY | C CERAM TMK2316BJ106KLFT 10UF 25V 10% | P | AA         |
|  | C 1322  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1323  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1324  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |
|  | C 1325  | VCKYCZ1EB103KY | C CERAM 0402 10NF 25V 10%             | P | AA         |
|  | C 1329  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1336  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|  | C 1350  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1351  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1352  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1353  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |
|  | C 1355  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1358  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |
|  | C 1359  | VCCCCZ1HH330JY | C CERAM 0402 33PF 50V 5%              | P | AA         |
|  | C 1360  | VCCCCZ1HH330JY | C CERAM 0402 33PF 50V 5%              | P | AA         |
|  | C 1361  | VCKYCZ1CB103KY | C CERAM 0402 10NF 16V 10%             | P | AA         |
|  | C 1362  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1363  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1364  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1365  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1366  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1368  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1371  | VCKYCZ1CB103KY | C CERAM 0402 10NF 16V 10%             | P | AA         |
|  | C 1373  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1374  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1376  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1377  | VCKYCZ1CB103KY | C CERAM 0402 10NF 16V 10%             | P | AA         |
|  | C 1381  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1383  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1384  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1386  | VCCCCZ1HH330JY | C CERAM 0402 33PF 50V 5%              | P | AA         |
|  | C 1388  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1389  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1390  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1392  | VCCCCZ1HH330JY | C CERAM 0402 33PF 50V 5%              | P | AA         |
|  | C 1393  | VCCCCZ1HH180JY | CERAM C 0402 18PF 50V 5%              | P | AA         |
|  | C 1395  | VCEASY0JN477MY | C ELEC 470UF 6,3V MLA6,3VC470MF80     | P | AF         |
|  | C 1396  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1397  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1501  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1502  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1503  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1504  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |

|  | REF No. | PARTS          | DESCRIPTION                           | * | PRICE CODE |  | REF No. | PARTS          | DESCRIPTION                           | * | PRICE CODE |
|--|---------|----------------|---------------------------------------|---|------------|--|---------|----------------|---------------------------------------|---|------------|
|  | C 1505  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |  | C 2736  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1506  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 2737  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1507  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%              | P | AA         |  | C 2738  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1508  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 2739  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1509  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%              | P | AA         |  | C 2740  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1511  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 2741  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1512  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%              | P | AA         |  | C 2742  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%              | P | AA         |
|  | C 1513  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 2743  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%              | P | AA         |
|  | C 1514  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%              | P | AA         |  | C 2744  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1517  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%              | P | AA         |  | C 2745  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 1518  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 2746  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%              | P | AA         |
|  | C 1519  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 2747  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%              | P | AA         |
|  | C 1520  | VCEASK0JN227MY | C ELEC 220UF 20% 6,3V MVY6,3VC220MF60 | P | AC         |  | C 2748  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%              | P | AA         |
|  | C 1521  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 2749  | RC-EZ1339CEZZY | C ELEC 220UF 16V                      | P | AF         |
|  | C 2605  | RC-KZA237WJZZY | C CERAM EMK212BJ106KGFT 10UF 16V 10%  | P | AD         |  | C 2751  | VCEASX1CN476MY | C ELEC 47UF 16V MVL16VC47MF60E1       | P | AD         |
|  | C 2606  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3301  | VCCCCZ1HH200JY | CERAM C 0402 20PF 50V 5%              | P | AA         |
|  | C 2607  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3302  | VCCCCZ1HH200JY | CERAM C 0402 20PF 50V 5%              | P | AA         |
|  | C 2608  | RC-KZA237WJZZY | C CERAM EMK212BJ106KGFT 10UF 16V 10%  | P | AD         |  | C 3304  | VCCCCZ1HH391JY | CERAM C 0402 390PF 50V 5%             | P | AA         |
|  | C 2609  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3305  | VCKYCZ1CB123KY | C CERAM 0402 12NF 16V 10%             | P | AA         |
|  | C 2702  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |  | C 3306  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 2703  | VCKYTV1CB104KY | C CERAM 100NF 16V 2125SMD             | P | AB         |  | C 3307  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 2704  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |  | C 3308  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |
|  | C 2705  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%              | P | AA         |  | C 3309  | VCKYCZ1HB332KY | C CERAM 0402 3,3NF 50V 10%            | P | AA         |
|  | C 2706  | VCKYCZ1HB472KY | C CERAM 0402 4,7NF 50V 10%            | P | AA         |  | C 3310  | VCCCCZ1HH101JY | C CERAM 0402 100PF 50V 5%             | P | AA         |
|  | C 2707  | VCCCCZ1HH101JY | C CERAM 0402 100PF 50V 5%             | P | AA         |  | C 3311  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 2708  | VCCCCZ1HH681JY | C CERAM 0402 680PF 50V 5%             | P | AA         |  | C 3312  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |
|  | C 2709  | VCKYTV1CB104KY | C CERAM 100NF 16V 2125SMD             | P | AB         |  | C 3313  | VCCCCZ1HH221JY | CERAM C 0402 220PF 50V 5%             | P | AA         |
|  | C 2710  | VCKYTV1CB104KY | C CERAM 100NF 16V 2125SMD             | P | AB         |  | C 3314  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|  | C 2711  | VCKYTV1CB104KY | C CERAM 100NF 16V 2125SMD             | P | AB         |  | C 3315  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |
|  | C 2712  | VCKYTV1CB104KY | C CERAM 100NF 16V 2125SMD             | P | AB         |  | C 3316  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 2713  | VCKYTV1CB104KY | C CERAM 100NF 16V 2125SMD             | P | AB         |  | C 3317  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 2714  | RC-KZA621WJQZY | C CERAM 1uF 25V TMK107BJ105KAFT       | P | AA         |  | C 3320  | VCKYCZ1CB103KY | C CERAM 0402 10NF 16V 10%             | P | AA         |
|  | C 2715  | VCKYTV1CB104KY | C CERAM 100NF 16V 2125SMD             | P | AB         |  | C 3321  | VCKYCZ1CB103KY | C CERAM 0402 10NF 16V 10%             | P | AA         |
|  | C 2716  | RC-KZA621WJQZY | C CERAM 1uF 25V TMK107BJ105KAFT       | P | AA         |  | C 3322  | VCKYCZ1CB103KY | C CERAM 0402 10NF 16V 10%             | P | AA         |
|  | C 2717  | VCKYCZ1HB331KY | C CERAM 0402 330PF 50V 10%            | P | AA         |  | C 3323  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 2718  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3324  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |
|  | C 2719  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |  | C 3325  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 2720  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |  | C 3326  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |
|  | C 2721  | VCKYCZ1HB331KY | C CERAM 0402 330PF 50V 10%            | P | AA         |  | C 3327  | VCCCCZ1HH221JY | CERAM C 0402 220PF 50V 5%             | P | AA         |
|  | C 2722  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |  | C 3328  | VCCCCZ1HH221JY | CERAM C 0402 220PF 50V 5%             | P | AA         |
|  | C 2723  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |  | C 3329  | VCCCCZ1HH221JY | CERAM C 0402 220PF 50V 5%             | P | AA         |
|  | C 2724  | VCEASX1CN476MY | C ELEC 47UF 16V MVL16VC47MF60E1       | P | AD         |  | C 3330  | VCCCCZ1HH180JY | CERAM C 0402 18PF 50V 5%              | P | AA         |
|  | C 2725  | RC-EZ1339CEZZY | C ELEC 220UF 16V                      | P | AF         |  | C 3331  | VCKYCZ1CB473KY | C CERAM 0402 47NF 16V 10%             | P | AB         |
|  | C 2726  | RC-EZ1339CEZZY | C ELEC 220UF 16V                      | P | AF         |  | C 3332  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 2727  | VCCCCZ1HH220JY | CERAM C 0402 22PF 50V 5%              | P | AA         |  | C 3333  | VCEASY0JN477MY | C ELEC 470UF 6,3V MLA6,3VC470MF80     | P | AF         |
|  | C 2728  | VCCCCZ1HH220JY | CERAM C 0402 22PF 50V 5%              | P | AA         |  | C 3334  | VCKYCZ1CB473KY | C CERAM 0402 47NF 16V 10%             | P | AB         |
|  | C 2729  | RC-EZ1339CEZZY | C ELEC 220UF 16V                      | P | AF         |  | C 3335  | VCCCCZ1HH221JY | CERAM C 0402 220PF 50V 5%             | P | AA         |
|  | C 2730  | VCKYCZ1HB331KY | C CERAM 0402 330PF 50V 10%            | P | AA         |  | C 3336  | VCCCCZ1HH180JY | CERAM C 0402 18PF 50V 5%              | P | AA         |
|  | C 2731  | VCKYCZ1HB331KY | C CERAM 0402 330PF 50V 10%            | P | AA         |  | C 3337  | VCCCCZ1HH221JY | CERAM C 0402 220PF 50V 5%             | P | AA         |
|  | C 2732  | VCKYCZ1HB331KY | C CERAM 0402 330PF 50V 10%            | P | AA         |  | C 3401  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 2733  | VCKYCZ1AB474KY | C CERAM 0402 470NF 10V 10%            | P | AB         |  | C 3402  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 2734  | VCKYTV1CB684KY | C CERAM 680NF 16V 2125SMD             | P | AB         |  | C 3403  | VCKYCZ1HB331KY | C CERAM 0402 330PF 50V 10%            | P | AA         |
|  | C 2735  | VCKYTV1CB684KY | C CERAM 680NF 16V 2125SMD             | P | AB         |  | C 3404  | VCKYCZ1HB331KY | C CERAM 0402 330PF 50V 10%            | P | AA         |

|  | REF No. | PARTS          | DESCRIPTION                           | * | PRICE CODE |  | REF No. | PARTS          | DESCRIPTION                           | * | PRICE CODE |
|--|---------|----------------|---------------------------------------|---|------------|--|---------|----------------|---------------------------------------|---|------------|
|  | C 3405  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3464  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |
|  | C 3406  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3465  | VCKYCZ0GB225MY | C CERAM 0402 2,2UF 4V 10%             | P | AC         |
|  | C 3407  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3466  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3410  | VCKYCZ1CB103KY | C CERAM 0402 10NF 16V 10%             | P | AA         |  | C 3467  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |
|  | C 3411  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3468  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|  | C 3412  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%              | P | AA         |  | C 3469  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |
|  | C 3413  | RC-KZA810WJQZY | C CERAM 4,7UF GRM155B30G475ME87D      | P | AB         |  | C 3470  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |
|  | C 3414  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |  | C 3471  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3415  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3472  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%              | P | AA         |
|  | C 3416  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3473  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|  | C 3417  | RC-KZA810WJQZY | C CERAM 4,7UF GRM155B30G475ME87D      | P | AB         |  | C 3474  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |
|  | C 3418  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3475  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|  | C 3419  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3476  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |
|  | C 3420  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3477  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3421  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%              | P | AA         |  | C 3478  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%              | P | AA         |
|  | C 3422  | VCKYCY0JB105KY | CONDENSADOR GRM39B 105K 6.3 (1608)SMD | P | AB         |  | C 3479  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |
|  | C 3423  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |  | C 3480  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3424  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3481  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |
|  | C 3425  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |  | C 3482  | RC-KZA385WJZZY | C CERAM 22UF 6,3V JMK212BJ226KG-T     | P | AE         |
|  | C 3426  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3483  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|  | C 3427  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |  | C 3484  | VCEASX1CN476MY | C ELEC 47UF 16V MVL16VC47MF60E1       | P | AD         |
|  | C 3428  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3485  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|  | C 3429  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |  | C 3501  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |
|  | C 3430  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |  | C 3502  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |
|  | C 3431  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3503  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |
|  | C 3432  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |  | C 3504  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3433  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3505  | RC-KZA385WJZZY | C CERAM 22UF 6,3V JMK212BJ226KG-T     | P | AE         |
|  | C 3434  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |  | C 3506  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3435  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3507  | RC-KZA385WJZZY | C CERAM 22UF 6,3V JMK212BJ226KG-T     | P | AE         |
|  | C 3436  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |  | C 3508  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3437  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |  | C 3509  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3438  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3510  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |
|  | C 3439  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |  | C 3511  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3440  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3512  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |
|  | C 3441  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3513  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3442  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |  | C 3514  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3443  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3515  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3444  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |  | C 3516  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3449  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |  | C 3517  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|  | C 3450  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3518  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|  | C 3451  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |  | C 3519  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |
|  | C 3452  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |  | C 3520  | VCAAPE0JJ227MY | C ELEC 220UF 20% 6,3V 6SVP100M        | P | AH         |
|  | C 3453  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3521  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3454  | VCKYCZ0GB225MY | C CERAM 0402 2,2UF 4V 10%             | P | AC         |  | C 3522  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3455  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3523  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3456  | VCKYCZ0GB225MY | C CERAM 0402 2,2UF 4V 10%             | P | AC         |  | C 3524  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3457  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3525  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3458  | VCKYCZ0GB225MY | C CERAM 0402 2,2UF 4V 10%             | P | AC         |  | C 3526  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3459  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3527  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3460  | VCKYCZ0GB225MY | C CERAM 0402 2,2UF 4V 10%             | P | AC         |  | C 3528  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3461  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3529  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3462  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%             | P | AD         |  | C 3530  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|  | C 3463  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |  | C 3531  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |



|  | REF No. | PARTS          | DESCRIPTION                          | * | PRICE CODE |  | REF No. | PARTS          | DESCRIPTION                             | * | PRICE CODE |
|--|---------|----------------|--------------------------------------|---|------------|--|---------|----------------|-----------------------------------------|---|------------|
|  | C 3532  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3723  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3533  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3724  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D    | P | AA         |
|  | C 3534  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3725  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3535  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3726  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3536  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3727  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3537  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3728  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3538  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3729  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D    | P | AA         |
|  | C 3539  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3730  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3540  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3731  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3541  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3732  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3542  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3733  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D    | P | AA         |
|  | C 3543  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3734  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D    | P | AA         |
|  | C 3544  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3735  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3545  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3736  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3546  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3737  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3547  | VCEASX0JN107MY | C ELEC 100UF 6,3V MVL6,3VC100MF60E1  | P | AA         |  | C 3738  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3548  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D | P | AA         |  | C 3739  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3549  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D | P | AA         |  | C 3740  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D    | P | AA         |
|  | C 3601  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D | P | AA         |  | C 3741  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D    | P | AA         |
|  | C 3602  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3742  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%               | P | AD         |
|  | C 3603  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3743  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3604  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3744  | RC-KZA385WJZZY | C CERAM 22UF 6,3V JMK212B,J226KG-T      | P | AE         |
|  | C 3605  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3745  | VCCCZ1HH200JY  | CERAM C 0402 20PF 50V 5%                | P | AA         |
|  | C 3606  | VCKYCZ1CB103KY | C CERAM 0402 10NF 16V 10%            | P | AA         |  | C 3746  | VCCCZ1HH200JY  | CERAM C 0402 20PF 50V 5%                | P | AA         |
|  | C 3607  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3747  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3608  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3748  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3609  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 3749  | RC-KZA385WJZZY | C CERAM 22UF 6,3V JMK212B,J226KG-T      | P | AE         |
|  | C 3610  | VCKYCZ1CB103KY | C CERAM 0402 10NF 16V 10%            | P | AA         |  | C 3750  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3611  | VCKYCZ1CB103KY | C CERAM 0402 10NF 16V 10%            | P | AA         |  | C 4401  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D    | P | AA         |
|  | C 3615  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 4402  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%               | P | AD         |
|  | C 3616  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 4403  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%               | P | AD         |
|  | C 3701  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%             | P | AA         |  | C 4405  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3702  | VCKYCZ1HB102KY | C CERAM 0402 1NF 50V 10%             | P | AA         |  | C 4406  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3703  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 4407  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3704  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 4408  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D    | P | AA         |
|  | C 3705  | VCKYCZ1CB103KY | C CERAM 0402 10NF 16V 10%            | P | AA         |  | C 4409  | VCEASX0JN107MY | C ELEC 100UF 6,3V MVL6,3VC100MF60E1     | P | AA         |
|  | C 3706  | VCKYCZ1CB103KY | C CERAM 0402 10NF 16V 10%            | P | AA         |  | C 4410  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3707  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 4415  | RC-KZA237WJZZY | C CERAM EMK212B,J106KGFT 10UF 16V 10%   | P | AD         |
|  | C 3708  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 4416  | VCKYCZ0JF105ZY | C CERAM 0402 1uF 6,3V 20%               | P | AD         |
|  | C 3709  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 8401  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3710  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 8402  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3711  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 9501  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3712  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 9503  | VCKYCZ1CB103KY | C CERAM 0402 10NF 16V 10%               | P | AA         |
|  | C 3713  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 9504  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3714  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 9505  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D    | P | AA         |
|  | C 3715  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 9506  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3716  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 9507  | VCKYCZ1CB103KY | C CERAM 0402 10NF 16V 10%               | P | AA         |
|  | C 3717  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 9508  | VCKYCZ1CB103KY | C CERAM 0402 10NF 16V 10%               | P | AA         |
|  | C 3718  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 9510  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3719  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 9511  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |
|  | C 3720  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 9512  | RC-KZA523WJQZY | C CERAM 1000PF 2000V GR442QR73D102KW01L | P | AC         |
|  | C 3721  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 9514  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D    | P | AA         |
|  | C 3722  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%           | P | AD         |  | C 9515  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%              | P | AD         |

|           | REF No. | PARTS          | DESCRIPTION                           | * | PRICE CODE |
|-----------|---------|----------------|---------------------------------------|---|------------|
|           | C 9517  | VCEASX1CN476MY | C ELEC 47UF 16V MVL16VC47MF60E1       | P | AD         |
|           | C 9520  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|           | C 9551  | RC-KZA616WJQZY | C CERAM 10uF 10V LMK212BJ106KGFT      | P | AA         |
|           | C 9552  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9553  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9554  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9556  | VCAAPE1AJ127MY | C ELEC 120UF 20% 10V LOW ESR          | P | AD         |
|           | C 9557  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9559  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9560  | VCAAPE0JJ227MY | C ELEC 220UF 20% 6,3V 6SVP100M        | P | AH         |
|           | C 9561  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9562  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9563  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9564  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9565  | VCKYCY0JB105KY | CONDENSADOR GRM39B 105K 6.3 (1608)SMD | P | AB         |
|           | C 9566  | VCCCCZ1HH120JY | C CERAM 0402 12PF 50V 5%              | P | AA         |
|           | C 9567  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9568  | VCCCCZ1HH120JY | C CERAM 0402 12PF 50V 5%              | P | AA         |
|           | C 9569  | VCKYCY0JB105KY | CONDENSADOR GRM39B 105K 6.3 (1608)SMD | P | AB         |
|           | C 9570  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9571  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9572  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9573  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9574  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|           | C 9575  | RC-KZA237WJZZY | C CERAM EMK212BJ106KGFT 10UF 16V 10%  | P | AD         |
|           | C 9576  | RC-KZA616WJQZY | C CERAM 10uF 10V LMK212BJ106KGFT      | P | AA         |
|           | C 9577  | RC-KZA616WJQZY | C CERAM 10uF 10V LMK212BJ106KGFT      | P | AA         |
|           | C 9601  | VCKYCZ1CB103KY | C CERAM 0402 10NF 16V 10%             | P | AA         |
|           | C 9604  | VCEASX0JN107MY | C ELEC 100UF 6,3V MVL6,3VC100MF60E1   | P | AA         |
|           | C 9605  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9606  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9607  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |
|           | C 9608  | RC-KZA385WJZZY | C CERAM 22UF 6,3V JMK212BJ226KG-T     | P | AE         |
|           | C 9609  | RC-KZA385WJZZY | C CERAM 22UF 6,3V JMK212BJ226KG-T     | P | AE         |
|           | C 9610  | RC-KZA385WJZZY | C CERAM 22UF 6,3V JMK212BJ226KG-T     | P | AE         |
|           | C 9611  | VCEASY1CN107MY | C ELEC 100UF 20% 16V MVL16VC100MF61   | P | AB         |
|           | C 9612  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9613  | RC-KZA237WJZZY | C CERAM EMK212BJ106KGFT 10UF 16V 10%  | P | AD         |
|           | C 9614  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9615  | VCKYCZ1CB103KY | C CERAM 0402 10NF 16V 10%             | P | AA         |
|           | C 9617  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9618  | RC-KZA237WJZZY | C CERAM EMK212BJ106KGFT 10UF 16V 10%  | P | AD         |
|           | C 9619  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9620  | VCCCCZ1HH150JY | C CERAM 0402 15PF 50V 5%              | P | AA         |
|           | C 9621  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|           | C 9622  | RC-KZA385WJZZY | C CERAM 22UF 6,3V JMK212BJ226KG-T     | P | AE         |
|           | C 9623  | RC-KZA385WJZZY | C CERAM 22UF 6,3V JMK212BJ226KG-T     | P | AE         |
|           | C 9624  | VCKYCY0JB105KY | CONDENSADOR GRM39B 105K 6.3 (1608)SMD | P | AB         |
|           | C 9626  | RC-KZA385WJZZY | C CERAM 22UF 6,3V JMK212BJ226KG-T     | P | AE         |
|           | C 9627  | RC-KZA385WJZZY | C CERAM 22UF 6,3V JMK212BJ226KG-T     | P | AE         |
|           | C 9628  | VCKYCZ1HB332KY | C CERAM 0402 3,3NF 50V 10%            | P | AA         |
|           | C 9629  | VCKYCZ1EB103KY | C CERAM 0402 10NF 25V 10%             | P | AA         |
|           | C 9630  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|           | C 9631  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|           | C 9632  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9633  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9634  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9635  | VCAAPE0JJ227MY | C ELEC 220UF 20% 6,3V 6SVP100M        | P | AH         |
|           | C 9636  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9637  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |
|           | C 9638  | VCKYCY0JB105KY | CONDENSADOR GRM39B 105K 6.3 (1608)SMD | P | AB         |
|           | C 9639  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |
|           | C 9640  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9641  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |
|           | C 9642  | VCKYCY0JB105KY | CONDENSADOR GRM39B 105K 6.3 (1608)SMD | P | AB         |
|           | C 9643  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |
|           | C 9644  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9645  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |
|           | C 9646  | VCKYCY0JB105KY | CONDENSADOR GRM39B 105K 6.3 (1608)SMD | P | AB         |
|           | C 9647  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |
|           | C 9648  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9649  | RC-KZA237WJZZY | C CERAM EMK212BJ106KGFT 10UF 16V 10%  | P | AD         |
|           | C 9650  | VCKYCY0JB105KY | CONDENSADOR GRM39B 105K 6.3 (1608)SMD | P | AB         |
|           | C 9651  | RC-KZA116WJZZY | C CERAM 4,7UF 6,3V GRM188B30J475KE18D | P | AD         |
|           | C 9652  | VCKYCZ1CB103KY | C CERAM 0402 10NF 16V 10%             | P | AA         |
|           | C 9653  | RC-KZA385WJZZY | C CERAM 22UF 6,3V JMK212BJ226KG-T     | P | AE         |
|           | C 9654  | VCKYCZ1HB472KY | C CERAM 0402 4,7NF 50V 10%            | P | AA         |
|           | C 9655  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9656  | VCKYCY0JB105KY | CONDENSADOR GRM39B 105K 6.3 (1608)SMD | P | AB         |
|           | C 9658  | RC-KZA385WJZZY | C CERAM 22UF 6,3V JMK212BJ226KG-T     | P | AE         |
|           | C 9659  | VCKYCZ1EB103KY | C CERAM 0402 10NF 25V 10%             | P | AA         |
|           | C 9660  | VCKYCZ1HB332KY | C CERAM 0402 3,3NF 50V 10%            | P | AA         |
|           | C 9661  | RC-KZA385WJZZY | C CERAM 22UF 6,3V JMK212BJ226KG-T     | P | AE         |
|           | C 9662  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9664  | VCAAPE0JJ227MY | C ELEC 220UF 20% 6,3V 6SVP100M        | P | AH         |
|           | C 9665  | RC-KZA237WJZZY | C CERAM EMK212BJ106KGFT 10UF 16V 10%  | P | AD         |
|           | C 9701  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|           | C 9702  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|           | C 9703  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|           | C 9704  | RC-KZA926WJQZY | C CERAM 10uF 6,3V GRM188B30J106ME47D  | P | AA         |
|           | C 9705  | VCKYCZ1EF104ZY | C CERAM 0402 100NF 25V 20%            | P | AD         |
|           | C 9706  | RC-KZA237WJZZY | C CERAM EMK212BJ106KGFT 10UF 16V 10%  | P | AD         |
|           | C 9707  | VCKYCZ1CB682KY | C CERAM 0402 6,8NF 16V 10%            | P | AA         |
|           | C 9708  | VCKYCZ1CF103ZY | C CERAM 0402 10NF 16V 20%             | P | AA         |
|           | C 9709  | VCCCCZ1HH220JY | CERAM C 0402 22PF 50V 5%              | P | AA         |
| RESISTORS |         |                |                                       |   |            |
|           | R 0502  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD          | P | AA         |
|           | R 0503  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD         | P | AA         |
|           | R 0504  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD         | P | AA         |
|           | R 0505  | VRS-CZ1JF473JY | RES 0402 47KOHM 5% 1/16W SMD          | P | AA         |
|           | R 0506  | VRS-CZ1JF473JY | RES 0402 47KOHM 5% 1/16W SMD          | P | AA         |
|           | R 0508  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD          | P | AA         |
|           | R 0509  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD          | P | AA         |
|           | R 0510  | VRS-CZ1JF123JY | RES 0402 12KOHM 5% 1/16W SMD          | P | AA         |
|           | R 0511  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD          | P | AA         |

|  | REF No. | PARTS          | DESCRIPTION                   | * | PRICE CODE |  | REF No. | PARTS          | DESCRIPTION                   | * | PRICE CODE |
|--|---------|----------------|-------------------------------|---|------------|--|---------|----------------|-------------------------------|---|------------|
|  | R 0512  | VRS-CZ1JF470JY | RES 0402 47 OHM 5% 1/16W SMD  | P | AA         |  | R 0607  | VRS-CZ1JF100JY | RES 0402 10 OHM 5% 1/16W SMD  | P | AA         |
|  | R 0513  | VRS-CZ1JF102JY | RES 0402 1KOHM 5% 1/16W SMD   | P | AA         |  | R 0608  | VRS-CZ1JF113JY | RES 0402 11KOHM 5% 1/16W SMD  | P | AA         |
|  | R 0514  | VRS-CZ1JF332JY | RES 0402 3,3KOHM 5% 1/16W SMD | P | AA         |  | R 0609  | VRS-CZ1JF102JY | RES 0402 1KOHM 5% 1/16W SMD   | P | AA         |
|  | R 0515  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD  | P | AA         |  | R 0610  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 0516  | VRS-CZ1JF470JY | RES 0402 47 OHM 5% 1/16W SMD  | P | AA         |  | R 0611  | VRS-CZ1JF123JY | RES 0402 12KOHM 5% 1/16W SMD  | P | AA         |
|  | R 0517  | VRS-CZ1JF182JY | RES 0402 1,8KOHM 5% 1/16W SMD | P | AA         |  | R 0612  | VRS-CZ1JF100JY | RES 0402 10 OHM 5% 1/16W SMD  | P | AA         |
|  | R 0518  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD  | P | AA         |  | R 0614  | VRS-CZ1JF104JY | RES 0402 100KOHM 5% 1/16W SMD | P | AA         |
|  | R 0519  | VRS-CZ1JF470JY | RES 0402 47 OHM 5% 1/16W SMD  | P | AA         |  | R 0615  | VRS-CZ1JF104JY | RES 0402 100KOHM 5% 1/16W SMD | P | AA         |
|  | R 0551  | VRS-CZ1JF221JY | RES 0402 220 OHM 5% 1/16W SMD | P | AA         |  | R 1104  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD   | P | AA         |
|  | R 0552  | VRS-CZ1JF221JY | RES 0402 220 OHM 5% 1/16W SMD | P | AA         |  | R 1106  | VRS-CZ1JF202JY | RES 0402 2KOHM 5% 1/16W SMD   | P | AA         |
|  | R 0555  | VRS-CZ1JF104JY | RES 0402 100KOHM 5% 1/16W SMD | P | AA         |  | R 1107  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD   | P | AA         |
|  | R 0556  | VRS-CZ1JF104JY | RES 0402 100KOHM 5% 1/16W SMD | P | AA         |  | R 1108  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD   | P | AA         |
|  | R 0557  | VRS-CZ1JF100JY | RES 0402 10 OHM 5% 1/16W SMD  | P | AA         |  | R 1125  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |
|  | R 0558  | VRS-CZ1JF100JY | RES 0402 10 OHM 5% 1/16W SMD  | P | AA         |  | R 1136  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |
|  | R 0561  | VRS-CZ1JF223JY | RES 0402 22KOHM 5% 1/16W SMD  | P | AA         |  | R 1301  | VRS-CZ1JF104JY | RES 0402 100KOHM 5% 1/16W SMD | P | AA         |
|  | R 0562  | VRS-CZ1JF223JY | RES 0402 22KOHM 5% 1/16W SMD  | P | AA         |  | R 1306  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 0563  | VRS-CZ1JF223JY | RES 0402 22KOHM 5% 1/16W SMD  | P | AA         |  | R 1307  | VRS-CZ1JF222JY | RES 0402 2,2KOHM 5% 1/16W SMD | P | AA         |
|  | R 0565  | VRS-CZ1JF223JY | RES 0402 22KOHM 5% 1/16W SMD  | P | AA         |  | R 1308  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD   | P | AA         |
|  | R 0567  | VRS-CZ1JF473JY | RES 0402 47KOHM 5% 1/16W SMD  | P | AA         |  | R 1309  | VRS-CZ1JF222JY | RES 0402 2,2KOHM 5% 1/16W SMD | P | AA         |
|  | R 0568  | VRS-CZ1JF473JY | RES 0402 47KOHM 5% 1/16W SMD  | P | AA         |  | R 1310  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 0569  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |  | R 1311  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 0572  | VRS-CZ1JF471JY | RES 0402 470 OHM 5% 1/16W SMD | P | AA         |  | R 1312  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD   | P | AA         |
|  | R 0573  | VRS-CZ1JF471JY | RES 0402 470 OHM 5% 1/16W SMD | P | AA         |  | R 1313  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 0574  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |  | R 1314  | VRS-CZ1JF113JY | RES 0402 11KOHM 5% 1/16W SMD  | P | AA         |
|  | R 0575  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |  | R 1316  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |
|  | R 0576  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |  | R 1322  | VRS-TQ2BD3R3JY | RES OX 3,3 OHM 5% 1/8W SMD    | P | AA         |
|  | R 0577  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |  | R 1323  | VRS-CZ1JF150JY | RES 0402 15 OHM 5% 1/16W SMD  | P | AA         |
|  | R 0578  | VRS-CZ1JF470JY | RES 0402 47 OHM 5% 1/16W SMD  | P | AA         |  | R 1339  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD   | P | AA         |
|  | R 0579  | VRS-CZ1JF470JY | RES 0402 47 OHM 5% 1/16W SMD  | P | AA         |  | R 1350  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 0580  | VRS-CZ1JF470JY | RES 0402 47 OHM 5% 1/16W SMD  | P | AA         |  | R 1351  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 0581  | VRS-CZ1JF3R3JY | RES 0402 3,3 OHM 5% 1/16W SMD | P | AA         |  | R 1352  | VRS-CZ1JF272JY | RES 0402 2,7KOHM 5% 1/16W SMD | P | AA         |
|  | R 0582  | VRS-CZ1JF123JY | RES 0402 12KOHM 5% 1/16W SMD  | P | AA         |  | R 1353  | VRS-CZ1JF272JY | RES 0402 2,7KOHM 5% 1/16W SMD | P | AA         |
|  | R 0584  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD  | P | AA         |  | R 1354  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |
|  | R 0585  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD  | P | AA         |  | R 1355  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |
|  | R 0586  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD  | P | AA         |  | R 1356  | VRS-CZ1JF181JY | RES 0402 180 OHM 5% 1/16W SMD | P | AA         |
|  | R 0589  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD  | P | AA         |  | R 1359  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |
|  | R 0590  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |  | R 1361  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 0591  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |  | R 1363  | VRK-SA1JF100JY | RES 10 OHM 5% 1/16W SMD       | P | AA         |
|  | R 0592  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD  | P | AA         |  | R 1364  | VRK-SA1JF100JY | RES 10 OHM 5% 1/16W SMD       | P | AA         |
|  | R 0593  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD  | P | AA         |  | R 1365  | VRK-SA1JF100JY | RES 10 OHM 5% 1/16W SMD       | P | AA         |
|  | R 0594  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD  | P | AA         |  | R 1368  | VRK-SA1JF100JY | RES 10 OHM 5% 1/16W SMD       | P | AA         |
|  | R 0595  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD  | P | AA         |  | R 1370  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 0596  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |  | R 1371  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 0597  | VRS-CZ1JF470JY | RES 0402 47 OHM 5% 1/16W SMD  | P | AA         |  | R 1372  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |
|  | R 0598  | VRS-CZ1JF510JY | RES 0402 51 OHM 5% 1/16W SMD  | P | AA         |  | R 1373  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |
|  | R 0599  | VRS-CZ1JF123JY | RES 0402 12KOHM 5% 1/16W SMD  | P | AA         |  | R 1374  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |
|  | R 0600  | VRS-CZ1JF470JY | RES 0402 47 OHM 5% 1/16W SMD  | P | AA         |  | R 1375  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |
|  | R 0601  | VRS-CZ1JF470JY | RES 0402 47 OHM 5% 1/16W SMD  | P | AA         |  | R 1376  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |
|  | R 0602  | VRS-CZ1JF470JY | RES 0402 47 OHM 5% 1/16W SMD  | P | AA         |  | R 1377  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |
|  | R 0603  | VRS-CZ1JF470JY | RES 0402 47 OHM 5% 1/16W SMD  | P | AA         |  | R 1378  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |
|  | R 0604  | VRS-CZ1JF240JY | RES 0402 24 OHM 5% 1/16W SMD  | P | AA         |  | R 1379  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |
|  | R 0605  | VRS-CZ1JF123JY | RES 0402 12KOHM 5% 1/16W SMD  | P | AA         |  | R 1501  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 0606  | VRS-CZ1JF123JY | RES 0402 12KOHM 5% 1/16W SMD  | P | AA         |  | R 1502  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |

|  | REF No. | PARTS           | DESCRIPTION                         | * | PRICE CODE |
|--|---------|-----------------|-------------------------------------|---|------------|
|  | R 1503  | VRS-CZ1JF473JY  | RES 0402 47KOHM 5% 1/16W SMD        | P | AA         |
|  | R 1504  | VRS-CZ1JF473JY  | RES 0402 47KOHM 5% 1/16W SMD        | P | AA         |
|  | R 1505  | VRS-CZ1JF473JY  | RES 0402 47KOHM 5% 1/16W SMD        | P | AA         |
|  | R 1506  | VRS-CZ1JF473JY  | RES 0402 47KOHM 5% 1/16W SMD        | P | AA         |
|  | R 1507  | VRS-CZ1JF103JY  | RES 0402 10KOHM 5% 1/16W SMD        | P | AA         |
|  | R 1508  | VRS-CZ1JF103JY  | RES 0402 10KOHM 5% 1/16W SMD        | P | AA         |
|  | R 1509  | VRS-CZ1JF473JY  | RES 0402 47KOHM 5% 1/16W SMD        | P | AA         |
|  | R 1510  | VRS-CZ1JF473JY  | RES 0402 47KOHM 5% 1/16W SMD        | P | AA         |
|  | R 1511  | VRS-CZ1JF473JY  | RES 0402 47KOHM 5% 1/16W SMD        | P | AA         |
|  | R 1512  | VRS-CZ1JF473JY  | RES 0402 47KOHM 5% 1/16W SMD        | P | AA         |
|  | R 1514  | VRS-CZ1JF750JY  | RES 0402 75 OHM 5% 1/16W SMD        | P | AA         |
|  | R 1515  | VRS-CZ1JF101JY  | RES 0402 100 OHM 5% 1/16W SMD       | P | AA         |
|  | R 1516  | VRS-CZ1JF750JY  | RES 0402 75 OHM 5% 1/16W SMD        | P | AA         |
|  | R 1517  | VRS-CZ1JF221JY  | RES 0402 220 OHM 5% 1/16W SMD       | P | AA         |
|  | R 1528  | VRS-CZ1JB4841FT | RES 0402 4K64 OHM 1% 1/16W SMD      | P | AA         |
|  | R 1532  | VRS-CZ1JF273JY  | RES 0402 27KOHM 5% 1/16W SMD        | P | AA         |
|  | R 1535  | VRS-CZ1JF472JY  | RES 0402 4,7KOHM 5% 1/16W SMD       | P | AA         |
|  | R 1537  | VRS-CZ1JF220JY  | RES 0402 22 OHM 5% 1/16W SMD        | P | AA         |
|  | R 1538  | VRS-CZ1JF102JY  | RES 0402 1KOHM 5% 1/16W SMD         | P | AA         |
|  | R 1539  | VRS-CZ1JF101JY  | RES 0402 100 OHM 5% 1/16W SMD       | P | AA         |
|  | R 1540  | VRS-CZ1JF101JY  | RES 0402 100 OHM 5% 1/16W SMD       | P | AA         |
|  | R 1541  | VRS-CZ1JF102JY  | RES 0402 1KOHM 5% 1/16W SMD         | P | AA         |
|  | R 1542  | VRS-CZ1JF101JY  | RES 0402 100 OHM 5% 1/16W SMD       | P | AA         |
|  | R 1543  | VRS-CZ1JF101JY  | RES 0402 100 OHM 5% 1/16W SMD       | P | AA         |
|  | R 1544  | VRS-CZ1JF102JY  | RES 0402 1KOHM 5% 1/16W SMD         | P | AA         |
|  | R 1545  | VRS-CZ1JF101JY  | RES 0402 100 OHM 5% 1/16W SMD       | P | AA         |
|  | R 1546  | VRS-CZ1JF101JY  | RES 0402 100 OHM 5% 1/16W SMD       | P | AA         |
|  | R 1547  | VRS-CZ1JF102JY  | RES 0402 1KOHM 5% 1/16W SMD         | P | AA         |
|  | R 1548  | VRS-CZ1JF101JY  | RES 0402 100 OHM 5% 1/16W SMD       | P | AA         |
|  | R 1549  | VRS-CZ1JF101JY  | RES 0402 100 OHM 5% 1/16W SMD       | P | AA         |
|  | R 1550  | VRS-CZ1JF472JY  | RES 0402 4,7KOHM 5% 1/16W SMD       | P | AA         |
|  | R 1551  | VRS-CZ1JF472JY  | RES 0402 4,7KOHM 5% 1/16W SMD       | P | AA         |
|  | R 1552  | VRS-CZ1JF103JY  | RES 0402 10KOHM 5% 1/16W SMD        | P | AA         |
|  | R 1554  | VRS-CZ1JF000JY  | RES 0402 0 OHM 5% 1/16W SMD         | P | AA         |
|  | R 1555  | VRS-CZ1JF472JY  | RES 0402 4,7KOHM 5% 1/16W SMD       | P | AA         |
|  | R 2507  | VRS-CZ1JF472JY  | RES 0402 4,7KOHM 5% 1/16W SMD       | P | AA         |
|  | R 2511  | VRS-CZ1JF472JY  | RES 0402 4,7KOHM 5% 1/16W SMD       | P | AA         |
|  | R 2604  | VRS-CZ1JF103JY  | RES 0402 10KOHM 5% 1/16W SMD        | P | AA         |
|  | R 2605  | VRS-CZ1JF472JY  | RES 0402 4,7KOHM 5% 1/16W SMD       | P | AA         |
|  | R 2607  | VRS-CZ1JF472JY  | RES 0402 4,7KOHM 5% 1/16W SMD       | P | AA         |
|  | R 2614  | VRS-CZ1JF000JY  | RES 0402 0 OHM 5% 1/16W SMD         | P | AA         |
|  | R 2624  | VRS-TW2HPR56JY  | RES LCR1/4R15J 0,56 OHM 5% 1/2W SMD | P | AA         |
|  | R 2625  | VRS-TW2HPR56JY  | RES LCR1/4R15J 0,56 OHM 5% 1/2W SMD | P | AA         |
|  | R 2626  | VRS-CZ1JF104JY  | RES 0402 100KOHM 5% 1/16W SMD       | P | AA         |
|  | R 2627  | VRS-CZ1JF103JY  | RES 0402 10KOHM 5% 1/16W SMD        | P | AA         |
|  | R 2628  | VRS-CZ1JF000JY  | RES 0402 0 OHM 5% 1/16W SMD         | P | AA         |
|  | R 2630  | VRS-CZ1JF103JY  | RES 0402 10KOHM 5% 1/16W SMD        | P | AA         |
|  | R 2637  | VRS-CZ1JF000JY  | RES 0402 0 OHM 5% 1/16W SMD         | P | AA         |
|  | R 2638  | VRS-CZ1JF000JY  | RES 0402 0 OHM 5% 1/16W SMD         | P | AA         |
|  | R 2639  | VRS-CZ1JF000JY  | RES 0402 0 OHM 5% 1/16W SMD         | P | AA         |
|  | R 2647  | VRS-CZ1JF471JY  | RES 0402 470 OHM 5% 1/16W SMD       | P | AA         |
|  | R 2648  | VRS-CZ1JF000JY  | RES 0402 0 OHM 5% 1/16W SMD         | P | AA         |
|  | R 2649  | VRS-CZ1JF103JY  | RES 0402 10KOHM 5% 1/16W SMD        | P | AA         |

|  | REF No. | PARTS          | DESCRIPTION                   | * | PRICE CODE |
|--|---------|----------------|-------------------------------|---|------------|
|  | R 2659  | VRS-CZ1JF330JY | RES 0402 33 OHM 5% 1/16W SMD  | P | AA         |
|  | R 2660  | VRS-CZ1JF330JY | RES 0402 33 OHM 5% 1/16W SMD  | P | AA         |
|  | R 2702  | VRS-CZ1JF203JY | RES 0402 20KOHM 5% 1/16W SMD  | P | AA         |
|  | R 2703  | VRS-CZ1JF330JY | RES 0402 33 OHM 5% 1/16W SMD  | P | AA         |
|  | R 2704  | VRS-CZ1JF222JY | RES 0402 2,2KOHM 5% 1/16W SMD | P | AA         |
|  | R 2705  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |
|  | R 2706  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 2707  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 2708  | VRS-CZ1JF330JY | RES 0402 33 OHM 5% 1/16W SMD  | P | AA         |
|  | R 2709  | VRS-CZ1JF330JY | RES 0402 33 OHM 5% 1/16W SMD  | P | AA         |
|  | R 2710  | VRS-CZ1JF330JY | RES 0402 33 OHM 5% 1/16W SMD  | P | AA         |
|  | R 2711  | VRS-CZ1JF100JY | RES 0402 10 OHM 5% 1/16W SMD  | P | AA         |
|  | R 2712  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 2713  | VRS-CZ1JF330JY | RES 0402 33 OHM 5% 1/16W SMD  | P | AA         |
|  | R 2714  | VRS-CZ1JF330JY | RES 0402 33 OHM 5% 1/16W SMD  | P | AA         |
|  | R 2715  | VRS-CZ1JF100JY | RES 0402 10 OHM 5% 1/16W SMD  | P | AA         |
|  | R 2716  | VRS-CZ1JF330JY | RES 0402 33 OHM 5% 1/16W SMD  | P | AA         |
|  | R 2717  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD   | P | AA         |
|  | R 2718  | VRS-CZ1JF332JY | RES 0402 3,3KOHM 5% 1/16W SMD | P | AA         |
|  | R 2719  | VRS-CZ1JF332JY | RES 0402 3,3KOHM 5% 1/16W SMD | P | AA         |
|  | R 2720  | VRS-CZ1JF332JY | RES 0402 3,3KOHM 5% 1/16W SMD | P | AA         |
|  | R 2721  | VRS-CZ1JF332JY | RES 0402 3,3KOHM 5% 1/16W SMD | P | AA         |
|  | R 2722  | VRS-CZ1JF220JY | RES 0402 22 OHM 5% 1/16W SMD  | P | AA         |
|  | R 2723  | VRS-CZ1JF220JY | RES 0402 22 OHM 5% 1/16W SMD  | P | AA         |
|  | R 2724  | VRS-CZ1JF333JY | RES 0402 33KOHM 5% 1/16W SMD  | P | AA         |
|  | R 2725  | VRS-CZ1JF100JY | RES 0402 10 OHM 5% 1/16W SMD  | P | AA         |
|  | R 2726  | VRS-CZ1JF100JY | RES 0402 10 OHM 5% 1/16W SMD  | P | AA         |
|  | R 2727  | VRS-TQ2EF220JY | RES OX 22 OHM 5% 1/4W SMD     | P | AA         |
|  | R 2728  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 2729  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 2730  | VRS-CZ1JF104JY | RES 0402 100KOHM 5% 1/16W SMD | P | AA         |
|  | R 2731  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |
|  | R 2732  | VRS-CZ1JF102JY | RES 0402 1KOHM 5% 1/16W SMD   | P | AA         |
|  | R 2733  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 2734  | VRS-CZ1JF6R2JY | RES 0402 6,2 OHM 5% 1/16W SMD | P | AA         |
|  | R 2735  | VRS-CZ1JF6R2JY | RES 0402 6,2 OHM 5% 1/16W SMD | P | AA         |
|  | R 2736  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |
|  | R 2737  | VRS-CZ1JF6R2JY | RES 0402 6,2 OHM 5% 1/16W SMD | P | AA         |
|  | R 2738  | VRS-CZ1JF6R2JY | RES 0402 6,2 OHM 5% 1/16W SMD | P | AA         |
|  | R 2740  | VRS-CZ1JF102JY | RES 0402 1KOHM 5% 1/16W SMD   | P | AA         |
|  | R 2741  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 2742  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3301  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |
|  | R 3302  | VRS-CZ1JF683JY | RES 0402 68K OHM 5% 1/16W SMD | P | AA         |
|  | R 3303  | VRS-CZ1JF912FY | RES 0402 9,1KOHM 1% 1/16W SMD | P | AA         |
|  | R 3305  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |
|  | R 3306  | VRS-CZ1JF100JY | RES 0402 10 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3307  | VRS-CZ1JF510JY | RES 0402 51 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3308  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3309  | VRS-CZ1JF202JY | RES 0402 2KOHM 5% 1/16W SMD   | P | AA         |
|  | R 3310  | VRS-CZ1JF102JY | RES 0402 1KOHM 5% 1/16W SMD   | P | AA         |
|  | R 3311  | VRS-CZ1JF102JY | RES 0402 1KOHM 5% 1/16W SMD   | P | AA         |
|  | R 3313  | VRS-CZ1JF100JY | RES 0402 10 OHM 5% 1/16W SMD  | P | AA         |



|  | REF No. | PARTS          | DESCRIPTION                    | * | PRICE CODE |
|--|---------|----------------|--------------------------------|---|------------|
|  | R 3316  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3317  | VRS-CZ1JF102JY | RES 0402 1KOHM 5% 1/16W SMD    | P | AA         |
|  | R 3318  | VRS-CZ1JF102JY | RES 0402 1KOHM 5% 1/16W SMD    | P | AA         |
|  | R 3320  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3321  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3322  | VRS-CZ1JF102JY | RES 0402 1KOHM 5% 1/16W SMD    | P | AA         |
|  | R 3323  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3324  | VRS-CZ1JF391FY | RES 0402 390 OHM 1% 1/16W SMD  | P | AA         |
|  | R 3325  | VRS-CZ1JF430FY | RES 0402 43 OHM 1% 1/16W SMD   | P | AA         |
|  | R 3326  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3327  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3328  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3329  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3330  | VRS-CZ1JF101FY | RES 0402 100 OHM 1% 1/16W SMD  | P | AA         |
|  | R 3331  | VRS-CZ1JF101FY | RES 0402 100 OHM 1% 1/16W SMD  | P | AA         |
|  | R 3332  | VRS-CZ1JF101FY | RES 0402 100 OHM 1% 1/16W SMD  | P | AA         |
|  | R 3333  | VRS-CZ1JF101FY | RES 0402 100 OHM 1% 1/16W SMD  | P | AA         |
|  | R 3334  | VRS-CZ1JF620JY | RES 0402 62 OHM 5% 1/16W SMD   | P | AA         |
|  | R 3336  | VRS-CZ1JF151JY | RES 0402 150 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3337  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3338  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3339  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3340  | VRS-CZ1JF102JY | RES 0402 1KOHM 5% 1/16W SMD    | P | AA         |
|  | R 3341  | VRS-CZ1JF620JY | RES 0402 62 OHM 5% 1/16W SMD   | P | AA         |
|  | R 3342  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3343  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3351  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3352  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3355  | VRS-CZ1JF302FY | RES 0402 3 KOHM 1% 1/16W SMD   | P | AA         |
|  | R 3356  | VRSCZ1JB2870FT | RES 0402 287 OHM 1% 1/16W SMD  | P | AA         |
|  | R 3357  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD   | P | AA         |
|  | R 3358  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD   | P | AA         |
|  | R 3359  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD   | P | AA         |
|  | R 3360  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3361  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3362  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3363  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3365  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD   | P | AA         |
|  | R 3402  | VRS-CZ1JF220JY | RES 0402 22 OHM 5% 1/16W SMD   | P | AA         |
|  | R 3403  | VRS-CZ1JF102JY | RES 0402 1KOHM 5% 1/16W SMD    | P | AA         |
|  | R 3404  | VRS-CZ1JF102JY | RES 0402 1KOHM 5% 1/16W SMD    | P | AA         |
|  | R 3405  | VRSCZ1JB9091FT | RES 0402 9K09 OHM 1% 1/16W SMD | P | AA         |
|  | R 3410  | VRS-CZ1JF182JY | RES 0402 1.8KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3411  | VRS-CZ1JF102JY | RES 0402 1KOHM 5% 1/16W SMD    | P | AA         |
|  | R 3412  | VRS-CZ1JF272JY | RES 0402 2.7KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3413  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD   | P | AA         |
|  | R 3414  | VRS-TQ2EF101JY | RES OX 100 OHM 5% 1/4W SMD     | P | AA         |
|  | R 3415  | VRSCZ1JB3012FT | RES 0402 30K1 OHM 1% 1/16W SMD | P | AA         |
|  | R 3501  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD   | P | AA         |
|  | R 3502  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD   | P | AA         |
|  | R 3503  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD   | P | AA         |
|  | R 3504  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD   | P | AA         |
|  | R 3505  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD   | P | AA         |

|  | REF No. | PARTS          | DESCRIPTION                   | * | PRICE CODE |
|--|---------|----------------|-------------------------------|---|------------|
|  | R 3506  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3507  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3508  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3509  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3510  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3511  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3512  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3513  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3514  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3515  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3516  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3517  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3518  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3519  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3520  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3521  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3522  | VRS-CZ1JF104FY | RES 0402 100KOHM 1% 1/16W SMD | P | AA         |
|  | R 3523  | VRS-CZ1JF104FY | RES 0402 100KOHM 1% 1/16W SMD | P | AA         |
|  | R 3524  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD   | P | AA         |
|  | R 3525  | VRS-CZ1JF102JY | RES 0402 1KOHM 5% 1/16W SMD   | P | AA         |
|  | R 3526  | VRS-CZ1JF101FY | RES 0402 100 OHM 1% 1/16W SMD | P | AA         |
|  | R 3527  | VRS-CZ1JF101FY | RES 0402 100 OHM 1% 1/16W SMD | P | AA         |
|  | R 3528  | VRS-CZ1JF241FY | RES 0402 240 OHM 1% 1/16W SMD | P | AA         |
|  | R 3529  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |
|  | R 3530  | VRS-CZ1JF101FY | RES 0402 100 OHM 1% 1/16W SMD | P | AA         |
|  | R 3531  | VRS-CZ1JF101FY | RES 0402 100 OHM 1% 1/16W SMD | P | AA         |
|  | R 3532  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |
|  | R 3533  | VRS-CZ1JF241FY | RES 0402 240 OHM 1% 1/16W SMD | P | AA         |
|  | R 3534  | VRS-CZ1JF560JY | RES 0402 56 OHM 5% 1/16W SMD  | P | AA         |
|  | R 3601  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3602  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3606  | VRS-CZ1JF101FY | RES 0402 100 OHM 1% 1/16W SMD | P | AA         |
|  | R 3708  | VRS-CZ1JF102FY | RES 0402 1KOHM 1% 1/16W SMD   | P | AA         |
|  | R 3710  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD | P | AA         |
|  | R 3711  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD | P | AA         |
|  | R 3712  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |
|  | R 3713  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |
|  | R 3714  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD | P | AA         |
|  | R 3715  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD | P | AA         |
|  | R 3716  | VRS-CZ1JF471JY | RES 0402 470 OHM 5% 1/16W SMD | P | AA         |
|  | R 3717  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD | P | AA         |
|  | R 3718  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD | P | AA         |
|  | R 3719  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD | P | AA         |
|  | R 3720  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD | P | AA         |
|  | R 3723  | VRS-CZ1JF471JY | RES 0402 470 OHM 5% 1/16W SMD | P | AA         |
|  | R 3724  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 3725  | VRS-CZ1JF471JY | RES 0402 470 OHM 5% 1/16W SMD | P | AA         |
|  | R 3728  | VRS-CZ1JF471JY | RES 0402 470 OHM 5% 1/16W SMD | P | AA         |
|  | R 3729  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD   | P | AA         |
|  | R 3731  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD | P | AA         |
|  | R 3732  | VRS-CZ1JF472JY | RES 0402 4.7KOHM 5% 1/16W SMD | P | AA         |
|  | R 3744  | VRS-CZ1JF302FY | RES 0402 3 KOHM 1% 1/16W SMD  | P | AA         |
|  | R 3747  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD   | P | AA         |
|  | R 3751  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |
|  | R 3752  | VRS-CZ1JF620FY | RES 0402 62 OHM 1% 1/16W SMD  | P | AA         |
|  | R 3753  | VRS-CZ1JF151FY | RES 0402 150 OHM 1% 1/16W SMD | P | AA         |

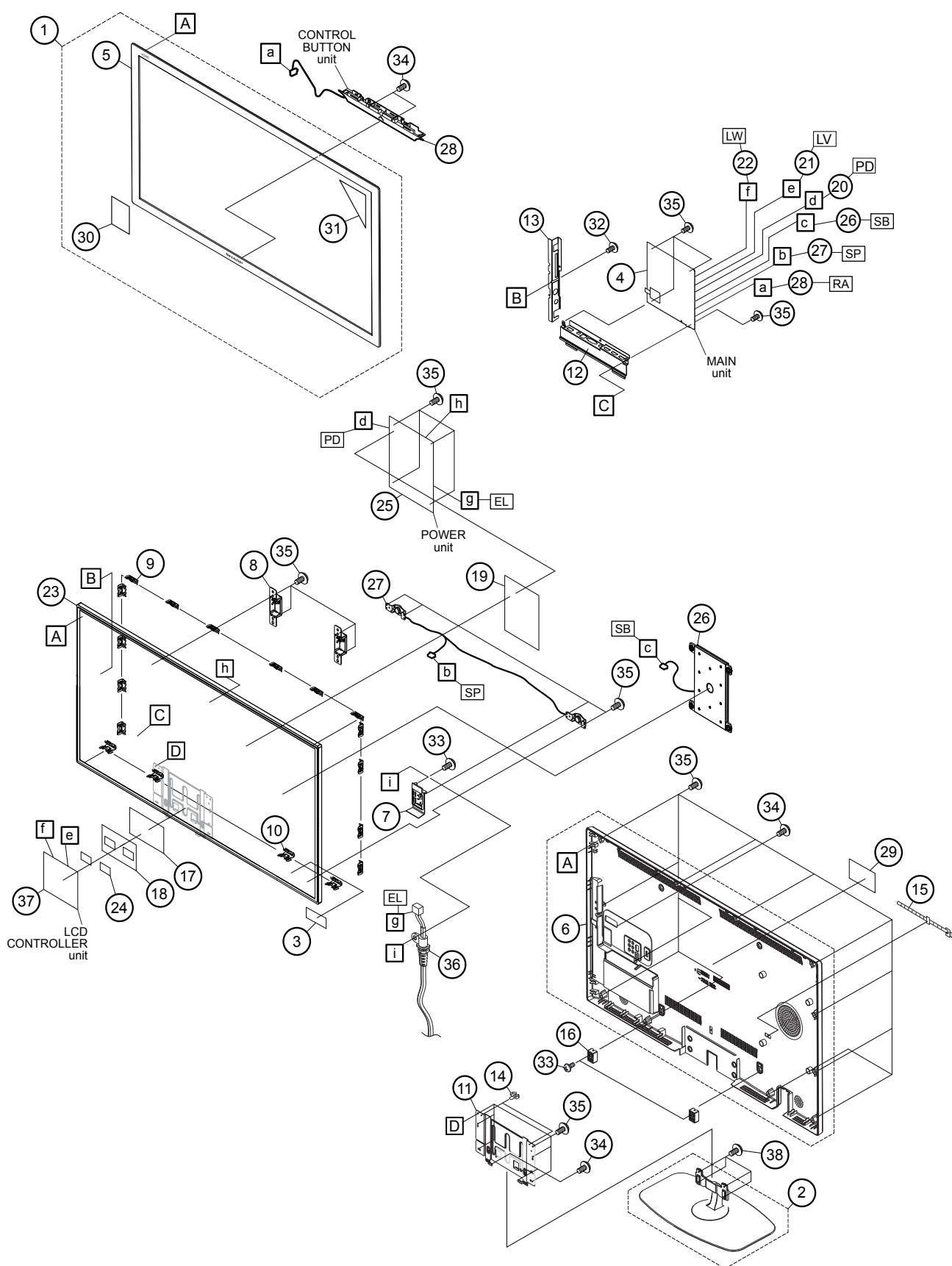
|  | REF No. | PARTS          | DESCRIPTION                   | * | PRICE CODE |  | REF No. | PARTS          | DESCRIPTION                   | * | PRICE CODE |
|--|---------|----------------|-------------------------------|---|------------|--|---------|----------------|-------------------------------|---|------------|
|  | R 3755  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD   | P | AA         |  | R 9511  | VRS-CZ1JF510JY | RES 0402 51 OHM 5% 1/16W SMD  | P | AA         |
|  | R 4402  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |  | R 9512  | VRS-CZ1JF510JY | RES 0402 51 OHM 5% 1/16W SMD  | P | AA         |
|  | R 4403  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |  | R 9513  | VRS-CZ1JF510JY | RES 0402 51 OHM 5% 1/16W SMD  | P | AA         |
|  | R 4404  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD | P | AA         |  | R 9514  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD  | P | AA         |
|  | R 4408  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |  | R 9515  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD  | P | AA         |
|  | R 4411  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |  | R 9516  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD  | P | AA         |
|  | R 4412  | VRS-CZ1JF220JY | RES 0402 22 OHM 5% 1/16W SMD  | P | AA         |  | R 9517  | VRS-CZ1JF750JY | RES 0402 75 OHM 5% 1/16W SMD  | P | AA         |
|  | R 4413  | VRK-SB1FF220JY | RES 22 OHM 5% 1/32W SMD       | P | AB         |  | R 9519  | VRS-CZ1JF622FY | RES 0402 6,2KOHM 1% 1/16W SMD | P | AA         |
|  | R 4414  | VRS-CZ1JF102JY | RES 0402 1KOHM 5% 1/16W SMD   | P | AA         |  | R 9520  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |
|  | R 4415  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |  | R 9522  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |
|  | R 4416  | VRK-SA1JF220JY | RES 22 OHM 5% 1/16W SMD       | P | AB         |  | R 9523  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |
|  | R 4417  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |  | R 9524  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |
|  | R 4418  | VRK-SB1FF220JY | RES 22 OHM 5% 1/32W SMD       | P | AB         |  | R 9525  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 4419  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |  | R 9526  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |
|  | R 4420  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |  | R 9527  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |
|  | R 4421  | VRK-SA1JF220JY | RES 22 OHM 5% 1/16W SMD       | P | AB         |  | R 9529  | VRK-SB1FF330JY | RES 33 OHM 5% 1/32W SMD       | P | AA         |
|  | R 4422  | VRK-SB1FF220JY | RES 22 OHM 5% 1/32W SMD       | P | AB         |  | R 9530  | VRK-SB1FF330JY | RES 33 OHM 5% 1/32W SMD       | P | AA         |
|  | R 4424  | VRK-SA1JF220JY | RES 22 OHM 5% 1/16W SMD       | P | AB         |  | R 9532  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |
|  | R 4425  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |  | R 9533  | VRS-CZ1JF330JY | RES 0402 33 OHM 5% 1/16W SMD  | P | AA         |
|  | R 4426  | VRS-CZ1JF220JY | RES 0402 22 OHM 5% 1/16W SMD  | P | AA         |  | R 9534  | VRS-CZ1JF395JY | RES 0402 3,9MOHM 5% 1/16W SMD | P | AA         |
|  | R 4427  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |  | R 9551  | VRS-TW2HF121JY | RES CR1-4 120 OHM 5% 1/2W SMD | P | AA         |
|  | R 4429  | VRS-CZ1JF100JY | RES 0402 10 OHM 5% 1/16W SMD  | P | AA         |  | R 9552  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |
|  | R 4432  | VRS-CZ1JF220JY | RES 0402 22 OHM 5% 1/16W SMD  | P | AA         |  | R 9554  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 4433  | VRK-SA1JF220JY | RES 22 OHM 5% 1/16W SMD       | P | AB         |  | R 9555  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 4434  | VRK-SB1FF220JY | RES 22 OHM 5% 1/32W SMD       | P | AB         |  | R 9556  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 4435  | VRK-SB1FF220JY | RES 22 OHM 5% 1/32W SMD       | P | AB         |  | R 9557  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 4436  | VRS-CZ1JF220JY | RES 0402 22 OHM 5% 1/16W SMD  | P | AA         |  | R 9558  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 4437  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |  | R 9559  | VRS-CZ1JF123FY | RES 0402 12KOHM 1% 1/16W SMD  | P | AA         |
|  | R 4438  | VRK-SB1FF220JY | RES 22 OHM 5% 1/32W SMD       | P | AB         |  | R 9560  | VRS-CZ1JF105JY | RES 0402 1MOHM 5% 1/16W SMD   | P | AA         |
|  | R 4439  | VRK-SB1FF220JY | RES 22 OHM 5% 1/32W SMD       | P | AB         |  | R 9561  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 4440  | VRK-SA1JF220JY | RES 22 OHM 5% 1/16W SMD       | P | AB         |  | R 9562  | VRS-CZ1JF103FY | RES 0402 10KOHM 1% 1/16W SMD  | P | AA         |
|  | R 4442  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |  | R 9563  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 4443  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |  | R 9564  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 4444  | VRK-SA1JF220JY | RES 22 OHM 5% 1/16W SMD       | P | AB         |  | R 9566  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 4445  | VRK-SB1FF220JY | RES 22 OHM 5% 1/32W SMD       | P | AB         |  | R 9567  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 4446  | VRK-SB1FF220JY | RES 22 OHM 5% 1/32W SMD       | P | AB         |  | R 9568  | VRS-CZ1JF103FY | RES 0402 10KOHM 1% 1/16W SMD  | P | AA         |
|  | R 4449  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |  | R 9569  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 8401  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |  | R 9570  | VRS-CZ1JF104JY | RES 0402 100KOHM 5% 1/16W SMD | P | AA         |
|  | R 8404  | VRK-SB1FF330JY | RES 33 OHM 5% 1/32W SMD       | P | AA         |  | R 9571  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 8409  | VRK-SB1FF330JY | RES 33 OHM 5% 1/32W SMD       | P | AA         |  | R 9573  | VRS-CZ1JF104JY | RES 0402 100KOHM 5% 1/16W SMD | P | AA         |
|  | R 8410  | VRS-CZ1JF330JY | RES 0402 33 OHM 5% 1/16W SMD  | P | AA         |  | R 9607  | VRS-CZ1JF220JY | RES 0402 22 OHM 5% 1/16W SMD  | P | AA         |
|  | R 8411  | VRS-CZ1JF330JY | RES 0402 33 OHM 5% 1/16W SMD  | P | AA         |  | R 9608  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |
|  | R 8412  | VRS-CZ1JF330JY | RES 0402 33 OHM 5% 1/16W SMD  | P | AA         |  | R 9609  | VRS-CZ1JF331JY | RES 0402 330 OHM 5% 1/16W SMD | P | AA         |
|  | R 8413  | VRS-CZ1JF330JY | RES 0402 33 OHM 5% 1/16W SMD  | P | AA         |  | R 9610  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 8414  | VRS-CZ1JF330JY | RES 0402 33 OHM 5% 1/16W SMD  | P | AA         |  | R 9611  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD   | P | AA         |
|  | R 8415  | VRS-CY1JF000JY | RES 0603 0 OHM 5% 1/10W SMD   | P | AA         |  | R 9612  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD   | P | AA         |
|  | R 8416  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |  | R 9613  | VRS-CZ1JF102FY | RES 0402 1KOHM 1% 1/16W SMD   | P | AA         |
|  | R 9501  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |  | R 9615  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD   | P | AA         |
|  | R 9503  | VRS-CZ1JF330JY | RES 0402 33 OHM 5% 1/16W SMD  | P | AA         |  | R 9616  | VRS-CZ1JF332FY | RES 0402 3,3KOHM 1% 1/16W SMD | P | AA         |
|  | R 9504  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD   | P | AA         |  | R 9617  | VRS-CZ1JF242JY | RES 0402 2,4KOHM 5% 1/16W SMD | P | AA         |
|  | R 9505  | VRS-CZ1JF330JY | RES 0402 33 OHM 5% 1/16W SMD  | P | AA         |  | R 9618  | VRS-CZ1JF153FY | RES 0402 15KOHM 1% 1/16W SMD  | P | AA         |
|  | R 9506  | VRS-CZ1JF330JY | RES 0402 33 OHM 5% 1/16W SMD  | P | AA         |  | R 9619  | VRS-CZ1JF220JY | RES 0402 22 OHM 5% 1/16W SMD  | P | AA         |
|  | R 9507  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |  | R 9620  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD   | P | AA         |
|  | R 9508  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |  | R 9621  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD  | P | AA         |
|  | R 9509  | VRS-CZ1JF472JY | RES 0402 4,7KOHM 5% 1/16W SMD | P | AA         |  | R 9622  | VRS-CZ1JF183FY | RES 0402 18KOHM 1% 1/16W SMD  | P | AA         |
|  | R 9510  | VRS-CZ1JF510JY | RES 0402 51 OHM 5% 1/16W SMD  | P | AA         |  | R 9623  | VRS-CZ1JF393FY | RES 0402 39KOHM 1% 1/16W SMD  | P | AA         |



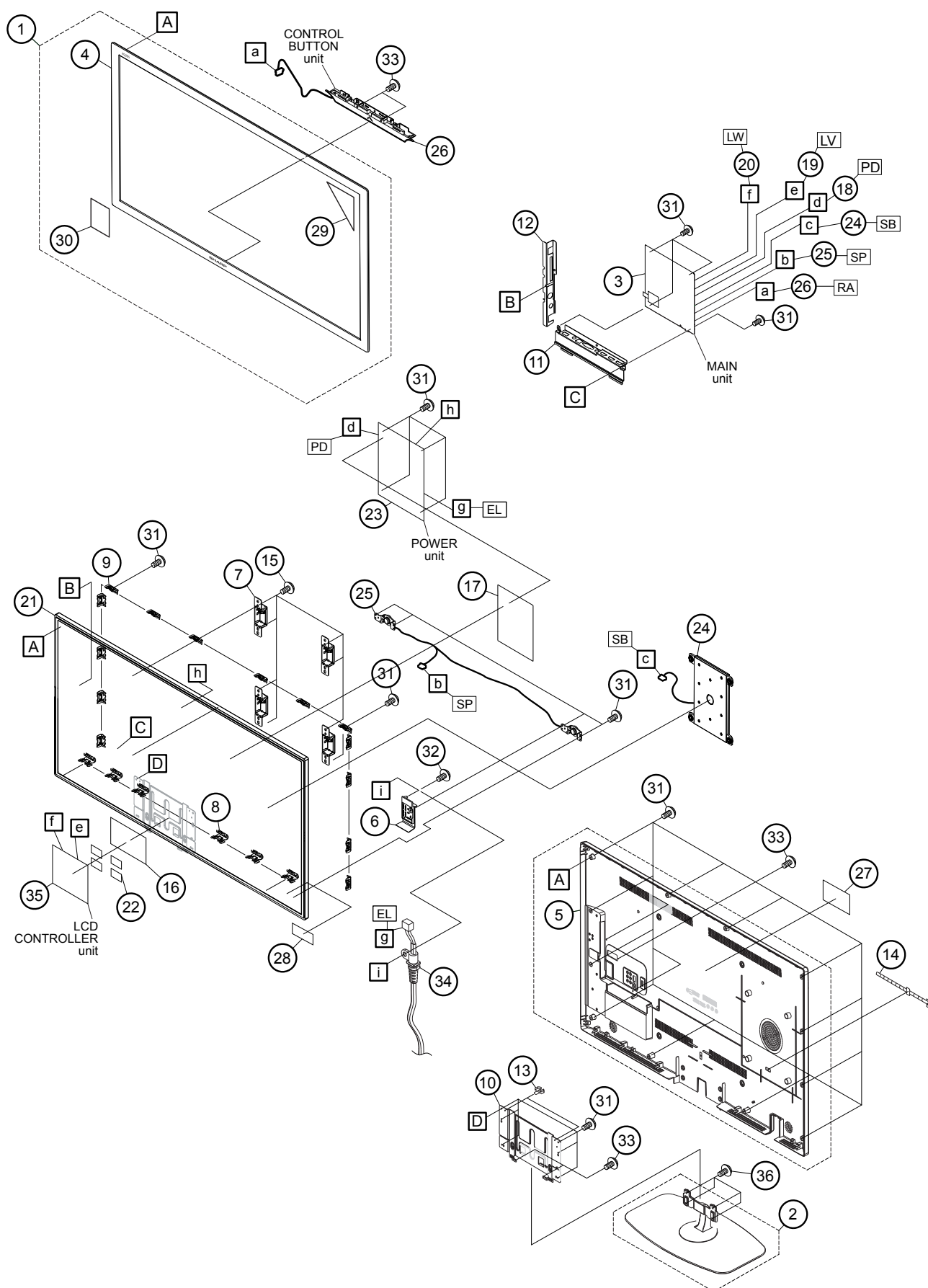
|               | REF No. | PARTS          | DESCRIPTION                           | * | PRICE CODE |
|---------------|---------|----------------|---------------------------------------|---|------------|
|               | R 9624  | VRS-CZ1JF561JY | RES 0402 560 OHM 5% 1/16W SMD         | P | AA         |
|               | R 9625  | VRS-CZ1JF102JY | RES 0402 1KOHM 5% 1/16W SMD           | P | AA         |
|               | R 9627  | VRS-CZ1JF132FY | RES 0402 1,3KOHM 1% 1/16W SMD         | P | AA         |
|               | R 9628  | VRS-CZ1JF102FY | RES 0402 1KOHM 1% 1/16W SMD           | P | AA         |
|               | R 9629  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD          | P | AA         |
|               | R 9630  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD          | P | AA         |
|               | R 9631  | VRS-CZ1JF104JY | RES 0402 100KOHM 5% 1/16W SMD         | P | AA         |
|               | R 9632  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD          | P | AA         |
|               | R 9633  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD          | P | AA         |
|               | R 9634  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD           | P | AA         |
|               | R 9635  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD          | P | AA         |
|               | R 9636  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD          | P | AA         |
|               | R 9637  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD           | P | AA         |
|               | R 9638  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD           | P | AA         |
|               | R 9639  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD          | P | AA         |
|               | R 9640  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD           | P | AA         |
|               | R 9643  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD           | P | AA         |
|               | R 9644  | VRS-CZ1JF471JY | RES 0402 470 OHM 5% 1/16W SMD         | P | AA         |
|               | R 9645  | VRS-CZ1JF471JY | RES 0402 470 OHM 5% 1/16W SMD         | P | AA         |
|               | R 9646  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD         | P | AA         |
|               | R 9647  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD         | P | AA         |
|               | R 9649  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD         | P | AA         |
|               | R 9650  | VRS-CZ1JF102JY | RES 0402 1KOHM 5% 1/16W SMD           | P | AA         |
|               | R 9652  | VRS-CZ1JF182FY | RES 0402 1,8KOHM 1% 1/16W SMD         | P | AA         |
|               | R 9653  | VRS-CZ1JF102FY | RES 0402 1KOHM 1% 1/16W SMD           | P | AA         |
|               | R 9657  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD           | P | AA         |
|               | R 9660  | VRS-CZ1JF223JY | RES 0402 22KOHM 5% 1/16W SMD          | P | AA         |
|               | R 9661  | VRS-CZ1JF682JY | RES 0402 6,8KOHM 5% 1/16W SMD         | P | AA         |
|               | R 9701  | VRS-CZ1JF000JY | RES 0402 0 OHM 5% 1/16W SMD           | P | AA         |
|               | R 9702  | VRS-CZ1JF181JY | RES 0402 180 OHM 5% 1/16W SMD         | P | AA         |
|               | R 9703  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD          | P | AA         |
|               | R 9704  | VRS-CZ1JF332FY | RES 0402 3,3KOHM 1% 1/16W SMD         | P | AA         |
|               | R 9705  | VRS-CZ1JF392JY | RES 0402 3,9KOHM 5% 1/16W SMD         | P | AA         |
|               | R 9706  | VRS-CZ1JF153FY | RES 0402 15KOHM 1% 1/16W SMD          | P | AA         |
|               | R 9707  | VRS-CZ1JF103JY | RES 0402 10KOHM 5% 1/16W SMD          | P | AA         |
|               | R 9708  | VRS-CZ1JF620FY | RES 0402 62 OHM 1% 1/16W SMD          | P | AA         |
|               | R 9709  | VRS-CZ1JF101JY | RES 0402 100 OHM 5% 1/16W SMD         | P | AA         |
| TRANSFORMER   |         |                |                                       |   |            |
|               | T 9501  | RTRNZA129WJQZY | TRANSFORMER TLA-6T214ALF(-T)          | P | AG         |
| MISCELLANEOUS |         |                |                                       |   |            |
|               | J 0502  | QJAKEA073WJZZ  | JACK LGY6502-0800F                    | P | AD         |
|               | J 0551  | QJAKJA024WJZZ  | HEADPHONE CXK-035-347DBZ              | P | AB         |
|               | J 0552  | QJAKLA037WJQZ  | JACK RCA-639HA-00A-09                 | P | AE         |
|               | J 2701  | QJAKJ0101SEZZ  | JACK MINIATURE PHONE MORNING STAR     | P | AB         |
|               | J 9501  | QJAKZA105WJQZQ | JACK GCR15-N3-080A100 TRAY            | P | AF         |
|               | J 9551  | QSOCZA276WJQZ  | SOCKET USB DOUBLE UAR64               | P | AE         |
|               | J 9552  | QSOCZA205WJQZ  | SOCKET UAR27-4K5C0L                   | P | AC         |
|               | P 2701  | QPLGNA160WJZZY | CONECTOR SM04B-PASS-TBT(LF)           | P | AD         |
|               | P 2702  | QPLGNA158WJZZY | CONECTOR SM02B-PASS-TBT (LF)(SN)      | P | AC         |
|               | P 3401  | QPLGNB077WJZZY | CONECTOR A1251WRO-8PS-5E JWT          | P | AC         |
|               | P 9601  | QPLGN0186FJZZY | CONECTOR S14B-PH-SM4-TB               | P | AE         |
|               | SC 0501 | QSOCNA229WJZZ  | CONECTOR DHR20-151F200/H-DBR10-A0020D | P | AE         |
|               | SC 0552 | QSOCZA161WJZZ  | SCART RGB-11H                         | P | AE         |
|               | SC 1501 | QSOCZA175WJZZY | CONECTOR HDMI A111924-A-15-R          | P | AE         |

|  | REF No. | PARTS          | DESCRIPTION                              | * | PRICE CODE |
|--|---------|----------------|------------------------------------------|---|------------|
|  | SC 1502 | QSOCZA264WJQZY | CONNECTOR HDMI CSS5019-0731E             | P | AH         |
|  | SC 1503 | QSOCZA264WJQZY | CONNECTOR HDMI CSS5019-0731E             | P | AH         |
|  | SC 1504 | QSOCZA264WJQZY | CONNECTOR HDMI CSS5019-0731E             | P | AH         |
|  | SC 2601 | QCNCWA995WJZZY | CONECTOR LVDS 51 PINS P-TWO 187059-51221 | P | AF         |
|  | SC 2603 | QCNCWB015WJZZY | cONECTOR LVDS 41 PINS P-TWO 187060-41221 | P | AE         |
|  | SC 4401 | QCNCMA340WJSA  | C.I.CARD SLOT ICMG68H-DS111NF(LF)(SN)JST | P | AK         |

## CABINET AND MECHANICAL PARTS 40"



## CABINET AND MECHANICAL PARTS 46"



40" CABINET AND MECHANICAL PART LISTING

|   | REF No. | PARTS            | DESCRIPTION                               | * | PRICE CODE |
|---|---------|------------------|-------------------------------------------|---|------------|
|   | 1       | CCABAC762WJ01    | KS-CAB-A LC40LE63*E/730E                  | P | BA         |
|   | 2       | CDAI-A804WJ01    | KS-STAND LC40LE730E                       | P | BE         |
|   | 3       | TLABZC453WJZZ    | PANEL LABEL                               | P | AA         |
|   | 4       | DUNTKF915FM11/14 | ADJUST MAIN UNIT LE732 / LG TUNER         | P | CC         |
|   | 5       | GCABAC762WJ1A    | FRONT CABINET                             | P | --         |
|   | 6       | GCABBC083WJ1A    | REAR CABINET 40LE730LG                    | P | BF         |
|   | 7       | GCOVAE259WJ1A    | AC HOLDER BRACKET POWER SWITCH            | P | --         |
|   | 8       | LANGKD343WJFW    | VESA BRACKET                              | P | AK         |
|   | 9       | LANGKD368WJFW    | PANEL BRACKET HOLDER (TOP AND SIDE)       | P | BB         |
|   | 10      | LANGKD369WJFW    | PANEL BRACKET HOLDER BOTTOM               | P | BC         |
|   | 11      | LANGKD370WJFW    | STAND BRACKET                             | P | BG         |
|   | 12      | LANGKD378WJFW    | TERMINAL COVER BOTTOM                     | P | AH         |
|   | 13      | LANGKD555WJFW    | CONNECTORS BRACKET 40LE732                | P | AH         |
|   | 14      | LHLDWA048WJKZ    | WIRE HOLDER                               | P | AA         |
|   | 15      | LHLDWA303WJKA    | WIRE HOLDER                               | P | AC         |
|   | 16      | LHLDZA929WJZZ    | HOLDER                                    | P | AE         |
|   | 17      | PZETKA640WJZZ    | INSULATION SHEET FOR CONTROLLER PWB       | P | AG         |
|   | 18      | PZETKA641WJZZ    | INSULATION SHEET FOR PANEL                | P | AF         |
|   | 19      | PZETKA645WJKZ    | INSULATION SHEET POWER                    | P | AM         |
|   | 20      | QCNW-M004WJQZ    | CABLE (PD)                                | P | AK         |
|   | 21      | 310431115371     | FFC LVDS 51PINS                           | P | AS         |
|   | 22      | 310431114481     | FFC LVDS 41PINS                           | P | AS         |
|   | 23      | R1LK400D3LB43A   | 40" LCD MODULE LK400D3LB43A               | P | DD         |
|   | 24      | RCORFA061WJZZ    | FERRITE CORE/CS-FPC E04FG460812-T         | P | AE         |
| ⚠ | 25      | RDENCA440WJQZ    | POWER WITH LED DRIVER 40" LE730           | P | BN         |
|   | 26      | RSP-ZA594WJZZ    | SPEAKER 6 OHM 12W FULL RANGE TOA / K-Tech | P | BA         |
|   | 27      | RSP-ZA595WJZZ    | SPEAKER 2x4 OHM 5W TWEETER TOA / K-TECH   | P | AU         |
|   | 28      | RUNTKA880WJPA2   | CONTROL BUTTON UNIT LE730E BLACK          | P | BC         |
|   | 29      | TLABNC117WJZZ    | ETIQUETA MODELO 3M 7291 ADHESIVO AP-360   | P | AA         |
|   | 30      | TLABZC949WJZZ    | CE ENERGY LABEL                           | P | AH         |
|   | 31      | TLABZD050WJZZ    | POP LABEL                                 | P | --         |
|   | 32      | XBPS730P06000    | SCREW PAN ST ZN M3x6                      | P | AA         |
|   | 33      | XEPS730P08WS0    | SCREW PAN ST ZN 3x8                       | P | AA         |
|   | 34      | XEPS730P12WS0    | SCREW PAN ST ZN 3x12                      | P | AA         |
|   | 35      | XBPS730P06WS0    | SCREW PAN ST ZN M3x6                      | P | AA         |
|   | 36      | QACCKA058WJPZ    | AC CORD LE730                             | P | AQ         |
|   | 37      | RUNTKA4593TPYA   | LCD CONTROLET UNIT                        | P | BP         |
|   | 38      | LX-BZA429WJF8    | STAND SCREW M4x10 BK                      | P | --         |

46" CABINET AND MECHANICAL PART LISTING

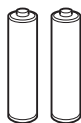
|   | REF No. | PARTS            | DESCRIPTION                               | * | PRICE CODE |
|---|---------|------------------|-------------------------------------------|---|------------|
|   | 1       | CCABAC769WJ01    | KS-CAB-A LC46LE63*E                       | P | BD         |
|   | 2       | CDAI-A805WJ01    | KS-STAND LC46LE730E                       | P | BE         |
|   | 3       | DUNTKF915FM11/14 | ADJUST MAIN UNIT LE732 / LG TUNER         | P | CC         |
|   | 4       | GCABAC769WJ1A    | FRONT CABINET                             | P | BD         |
|   | 5       | GCABBC084WJ1A    | REAR CABINET 46LE730LG                    | P | BH         |
|   | 6       | GCOVAE259WJ1A    | AC HOLDER BRACKET POWER SWITCH            | P | --         |
|   | 7       | LANGKD343WJFW    | VESA BRACKET                              | P | AK         |
|   | 8       | LANGKD369WJFW    | PANEL BRACKET HOLDER BOTTOM               | P | BC         |
|   | 9       | LANGKD373WJFW    | PANEL BRACKET HOLDER TOP                  | P | --         |
|   | 10      | LANGKD375WJFW    | STAND BRACKET                             | P | --         |
|   | 11      | LANGKD378WJFW    | TERMINAL COVER BOTTOM                     | P | AH         |
|   | 12      | LANGKD557WJFW    | CONNECTORS BRACKET 46LE732                | P | AH         |
|   | 13      | LHLDWA048WJKZ    | WIRE HOLDER                               | P | AA         |
|   | 14      | LHLDWA303WJKA    | WIRE HOLDER                               | P | AC         |
|   | 15      | LX-BZA425WJF7    | SCREW WASHER M4x 8 mm. (Silver)           | P | AA         |
|   | 16      | PZETKA640WJZZ    | INSULATION SHEET FOR CONTROLLER PWB       | P | AG         |
|   | 17      | PZETKA645WJKZ    | INSULATION SHEET POWER                    | P | AM         |
|   | 18      | QCNW-M004WJQZ    | CABLE (PD)                                | P | AK         |
|   | 19      | 310431115371     | FFC LVDS 51PINS                           | P | AS         |
|   | 20      | 310431114481     | FFC LVDS 41PINS                           | P | AS         |
|   | 21      | R1LK460D3LB33G   | 46" LCD MODULE LK460D3LB33G               | P | DM         |
|   | 22      | RCORFA061WJZZ    | FERRITE CORE/CS-FPC E04FG460812-T         | P | AE         |
| ⚠ | 23      | RDENCA440WJQZ    | POWER WITH LED DRIVER 40" LE730           | P | BN         |
|   | 24      | RSP-ZA594WJZZ    | SPEAKER 6 OHM 12W FULL RANGE TOA / K-Tech | P | BA         |
|   | 25      | RSP-ZA595WJZZ    | SPEAKER 2x4 OHM 5W TWEETER TOA / K-TECH   | P | AU         |
|   | 26      | RUNTKA880WJPA2   | CONTROL BUTTON UNIT LE730E BLACK          | P | BC         |
|   | 27      | TLABNC117WJZZ    | ETIQUETA MODELO 3M 7291 ADHESIVO AP-360   | P | AA         |
|   | 28      | TLABZC453WJZZ    | PANEL LABEL                               | P | AA         |
|   | 29      | TLABZD050WJZZ    | POP LABEL                                 | P | --         |
|   | 30      | TLABZD041WJZZ    | CE ENERGY LABEL                           | P | AH         |
|   | 31      | XBPS730P06WS0    | SCREW PAN ST ZN M3x6                      | P | AA         |
|   | 32      | XEPS730P08WS0    | SCREW PAN ST ZN 3x8                       | P | AA         |
|   | 33      | XEPS730P12WS0    | SCREW PAN ST ZN 3x12                      | P | AA         |
|   | 34      | QACCKA058WJPZ    | AC CORD LE730                             | P | AQ         |
|   | 35      | RUNTKA4593TPYB   | LCD CONTROLLER UNIT                       | P | BP         |
|   | 36      | LX-BZA429WJF8    | STAND SCREW M4x10 BK                      | P | --         |

## Supplied accessories

Remote control unit  
(× 1)



• “AAA” size battery (× 2)

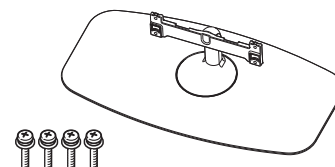


• Operation manual (This publication)

• Cable tie (x1)



• Stand unit (x1)



### ACCESSORIES PARTS LISTING

|  | REF No. | PARTS         | DESCRIPTION            | * | PRICE CODE |
|--|---------|---------------|------------------------|---|------------|
|  |         | TINS-F204WJZZ | OWNERS MANUAL LE730E   | P | AD         |
|  |         | UBATUA024WJZZ | BATTERY R03NWC/2SKD x2 | P | --         |
|  |         | RRMCGA983WJSA | REMOTE CONTROL LE730E  | P | AX         |
|  |         | LHLDWA303WJKA | WIRE HOLDER            | P | AC         |

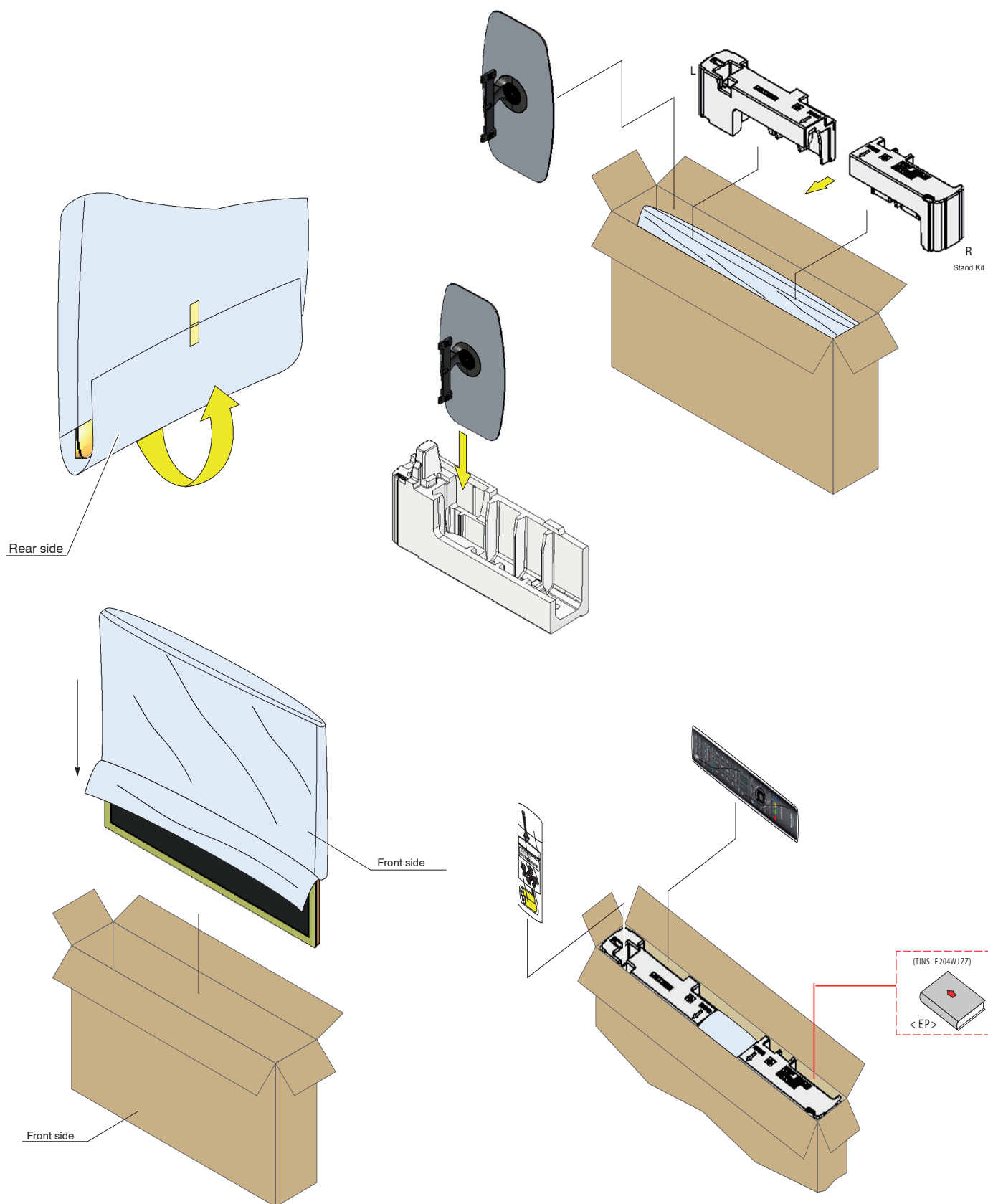
### 40" PACKING PARTS LISTING

|  |  |               |                         |   |     |
|--|--|---------------|-------------------------|---|-----|
|  |  | SPAKCG414WJZZ | PACKING CASE LC40LE730E | P | AT  |
|  |  | SPAKPB475WJZZ | PE BAG 40"              | P | AE  |
|  |  | SPAKXD432WJZZ | PACKING FOAM TOP 40"    | P | AL. |
|  |  | SPAKXD506WJZZ | PACKING FOAM BOTTOM 40" | P | AN  |

### 46" PACKING PARTS LISTING

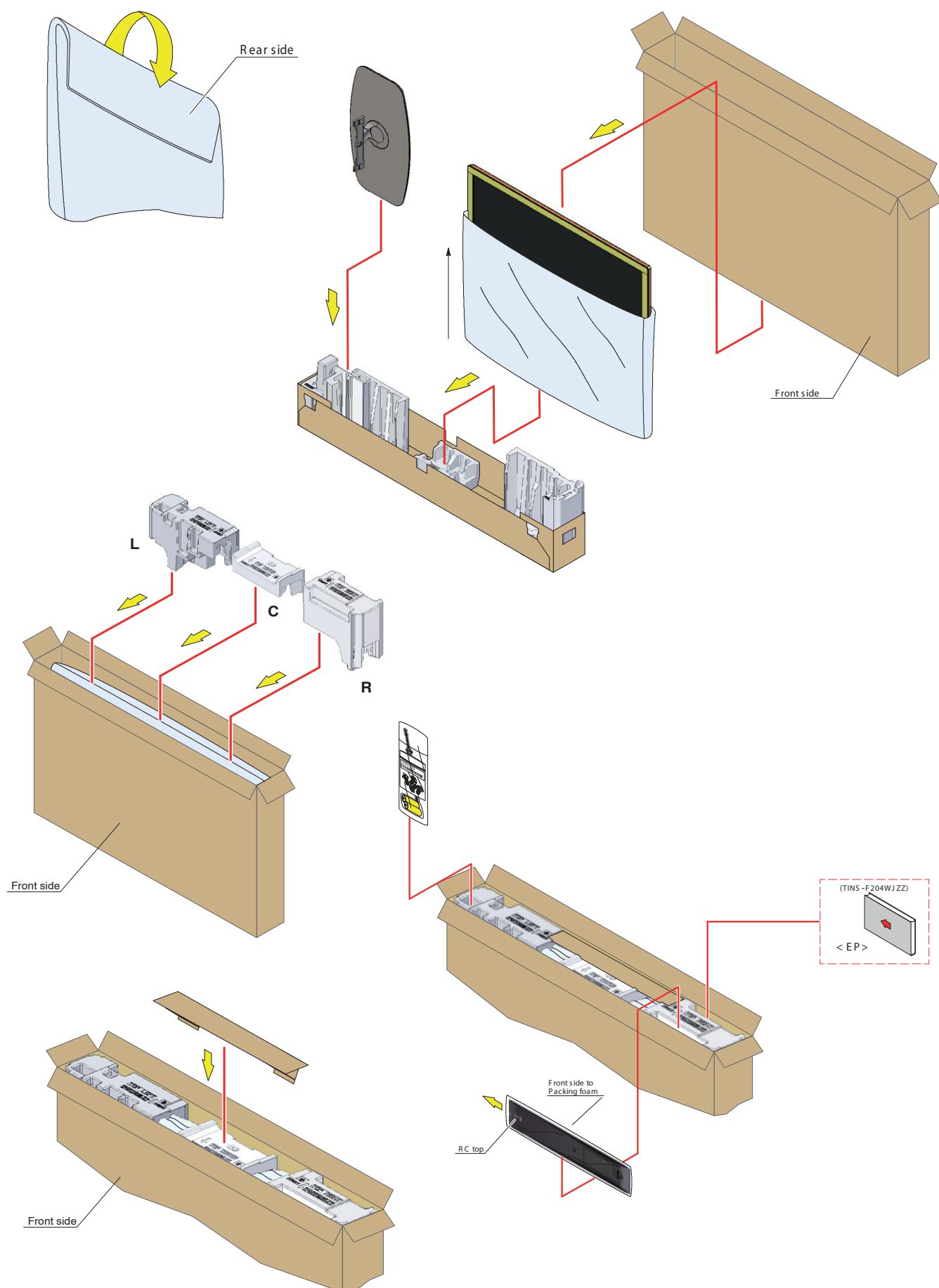
|  |  |               |                            |   |     |
|--|--|---------------|----------------------------|---|-----|
|  |  | SPAKCG517WJZZ | PACKING CASE LC46LE730E    | P | AW  |
|  |  | SPAKCG518WJZZ | BOTTOM CASE LC46LE730E     | P | AL. |
|  |  | SPAKFC164WJZZ | CARDBOARD MIDDLE 46LE730EE | P | AD  |
|  |  | SPAKPB477WJZZ | P_BAG / HOSSO-PP FOR 46    | P | AF  |
|  |  | SPAKXD503WJZZ | PACKING FOAM TOP 46"       | P | AQ  |
|  |  | SPAKXD504WJZZ | PACKING FOAM BOTTOM 46"    | P | AP  |

## PACKING OF THE SET 40"





## PACKING OF THE SET 46"





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